DePaul University Bulletin
Graduate School of Business
1989-90

Master of Business Administration
Master of Accountancy
Master of Science in Accountancy
Master of Science in Taxation
Combined—M.B.A./J.D.
Combined—M.B.A./M.A.
Joint—M.S./M.I.S.

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The Association of American Law Schools
The National Association of Schools of Music
The National Council for Accreditation of Teacher Education
The National League for Nursing
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Please Note: The University reserves the right to revise its bulletins and schedules. See page 97 for further details.
Campus Locations

The Graduate School of Business offers courses at its Loop Campus as well as at two convenient suburban locations.

LOOP CAMPUS
Frank J. Lewis Center
25 East Jackson Boulevard
Chicago
(full program of course offerings)

O'HARE CAMPUS
1666 Des Plaines River Road
Des Plaines
(presently selected course offerings)

OAK BROOK CAMPUS
2 Westbrook Corporate Center
Cermak Road and Wolf Road
Westchester
(presently selected course offerings)

Students may take courses at any of the three locations whenever such courses pertain to their degree requirements. Currently all students must complete at least part of their degree program at the Loop Campus since most specialization courses are offered only at this site. However, as the University continues to expand the number and variety of courses at the two suburban campuses, most students will be able to take increasing advantage of these locations.

All registration is handled through the Loop Campus office of the Graduate School of Business. Textbooks will be sold at each site at the beginning of the term for the classes meeting there.
Graduate School of Business

DePaul: One of the First Ten Business Schools

The academic year 1989-90 will mark the 77th anniversary of DePaul University's College of Commerce and the 41st year of its graduate programs in business. Established in the autumn of 1912 as the tenth business school in the USA, the College of Commerce began classes on January 13, 1913. The Graduate Division serves men and women who seek to advance and excel in their business and professional careers as decision makers in the complex world of business. The graduate programs at DePaul provide these men and women with the expertise in ethics, behavioral science, economics and in quantitative and management disciplines required to assume middle and upper level managerial or specialist positions within both the private and public sectors.

The high quality of DePaul University's business programs is demonstrated by the fact that both the undergraduate and graduate programs are accredited by the American Assembly of Collegiate Schools of Business. This distinction is held by only a limited percentage of schools of business in the United States.

Since its founding, the University has been committed to an urban and metropolitan identification and to the recognition that its past, present, and future are linked to the stability and vitality of the city of Chicago. For students in the Graduate School of Business, this means studying and working in one of the most dynamic business and financial centers in the world.

We welcome your enrollment in the Graduate Division of our College of Commerce.

Ronald J. Patten, Ph.D.
Dean and Professor
Programs of Study

The Graduate School of Business, in cooperation with the School of Accountancy, is committed to providing quality accelerated professional programs for both the full-time and part-time student. These programs are designed for and responsive to the needs of men and women seeking to assume, advance or excel in managerial or specialized positions within the private or public sectors of business or the professions.

Specifically, these programs lead to the following degrees:
- Master of Business Administration (M.B.A.)
- Master of Science in Accountancy (M.S.A.)
- Master of Science in Taxation (M.S.T.)
- Master of Accountancy (M.Acc.)

or to the combined degrees of:
- Master of Business Administration and Juris Doctor (M.B.A./J.D.)
- Master of Business Administration and Master of Arts (M.B.A./M.A.)

or to the joint degree:
- Master of Science in Management Information Systems (M.S./M.I.S.)

Each degree program involves two phases: courses in the Common Body of Knowledge (Phase I) and advanced courses in either one or more functional areas of business or the professions (Phase II).

The objectives of Phase I are to provide students with:
- a knowledge of the general theories in the major functional areas of business
- an understanding of the quantitative methods of analysis necessary to resolve business problems
- a broad understanding of the behavioral, ethical, and environmental ramifications of business decisions

The objectives of Phase II vary according to the degree program chosen by the student. Generally, however, the advanced portion of the student's program of study is designed to provide:
- testing of the student's ability to research and integrate large quantities of knowledge from either one or several areas of business or the professions
- applications of general theories and methods of analysis to a variety of business and professional situations to arrive at sound managerial judgments and decisions
- awareness of the latest technical and informational developments in various business and professional fields

A student who does not have undergraduate course work in business begins the course of study in Phase I and then continues on into Phase II.

A student who has the equivalent of Phase I begins the course of study in Phase II.
MASTER OF BUSINESS ADMINISTRATION

The emphasis of the M.B.A. program is on decision making as the characteristic function of business administration. It is the purpose of the program to integrate the several functional areas of business and the contributions they make to the development of administrative competence. Areas of concentration within this program are: Management, Accounting, Management Information Systems, Business Economics, International Business, Quantitative Methods, Finance, Association Management, Entrepreneurship, Human Resources Management, Operations Management, Marketing, and Marketing Research. The M.B.A. is scheduled primarily as an evening program.

MASTER OF SCIENCE IN TAXATION

The objective of the M.S.T. program is to provide an integrated sequence of courses that furnish intensive instruction in the substantive and procedural aspects of taxation. This program is primarily designed to serve the needs of individuals who are pursuing a career in taxation. The M.S.T. is scheduled primarily as an evening program.

MASTER OF SCIENCE IN ACCOUNTANCY

The objective of the M.S.A. degree is to provide a formal integrated sequence of courses at the graduate level which emphasize intensive study of the topics relevant to the work of a professional accountant, including the competence required for successful preparation for the CPA Examination or the CMA Examination. Students are afforded ample opportunity to explore advanced topics of interest. The program is intended to serve the needs of holders of undergraduate degrees in liberal arts and science or business with non-accounting backgrounds. Applicants with training in accounting beyond the introductory level are not eligible for this program. The M.S.A. is scheduled primarily as an evening program.

A full-time professional M.S.A. Program will be offered beginning in the Summer of 1988. Admission to this program will also include the requirement of being hired by a major public accounting firm. Coursework is scheduled for a student to complete over a fifteen-month period. For additional information, please contact the School of Accountancy.

MASTER OF ACCOUNTANCY

The M.Acc. is a professional graduate degree in accounting which prepares students for professional accounting positions in public accounting, business and industry, and the public sector. Its objectives are to provide an understanding of the major technical, conceptual, and research issues in accounting through advanced study in the field of accounting and related disciplines; an understanding of the ethical and legal considerations of the accounting profession and of the professional judgment and independent attitude necessary to deal objectively with these considerations; and a broad education in the graduate business disciplines in order to provide the communication and management skills necessary to succeed in a highly competitive environment.

Candidates may apply for the M.Acc. program if they are:

• undergraduate accounting majors who have at least 120 quarter hours of study toward the Bachelor of Science in Commerce degree including Accounting 204 and either 206 or 303 including at least 10 quarter hours of undergraduate study at DePaul University

OR
• graduates with a bachelor’s degree with a major in accounting from an accredited university.

Candidates who fall in one of the above categories are considered on an individual basis and must demonstrate above average academic achievement or ability as indicated by the following:

1. Overall undergraduate grade point average.
2. Scores on the Graduate Management Admission Test (GMAT).
3. Accounting grade point average.
4. Two letters of recommendation. DePaul students should obtain letters from two accounting faculty members.
5. A personal interview with the admissions committee of the School of Accountancy.

The M.Acc. is designed as a full-time program offered primarily in the day. Entering students will be accepted only for the Autumn Quarter each year.

COMBINED GRADUATE BUSINESS AND LAW PROGRAM

DePaul University’s College of Law and Graduate School of Business have designed a program of study which permits the full-time student to obtain the Master of Business Administration and Juris Doctor degree at a substantial reduction in time. The M.B.A./J.D. program recognizes the increasing complexity of business organizations and the increasing interaction of management and law.

Generally the combined degree program requires enrollment in both day and evening classes on a full-time coordinated basis according to a designated schedule and sequence. Enrollment in this program is restricted to highly qualified and motivated students who meet the standards of the joint committee which coordinates this program. Admittance into the College of Law and into the Graduate School of Business does not necessarily guarantee acceptance into the combined degree program.

Additional information may be obtained by requesting the brochure on this combined program from either college.

Information on admission to the College of Law may be obtained by writing to the College of Law, 25 E. Jackson Blvd., Chicago, IL 60604-2287, or by telephone, 312-341-6831. Out of State residents may call toll-free, 1-800-828-7453. Information on admission to the Graduate School of Business is given on page 95 of this Bulletin.

COMBINED GRADUATE BUSINESS AND GRADUATE LIBERAL ARTS AND SCIENCES PROGRAM IN PHILOSOPHY

DePaul University’s Graduate Division of the College of Liberal Arts and Sciences and the Graduate School of Business have designed a program which combines study in philosophy (with specific emphasis on business ethics) with study in business leading to the Master of Arts and the Master of Business Administration degree. The M.A./M.B.A. program recognizes the increasing concern of the public and the business community with ethical issues. The integrated curriculum combines the strengths of the two disciplines and enables the student to obtain the two degrees simultaneously at a considerable reduction in time.

Admittance to both the Graduate Division of the College Liberal Arts and Sciences and into the Graduate School of Business is required, and then the applicant must also be accepted by the joint committee which coordinates the M.A./M.B.A. curriculum. The program is restricted to highly qualified and motivated students.
Additional information may be obtained by requesting the brochure on this combined program from either college.

Information on admission to the Graduate Division of the College of Liberal Arts and Sciences may be obtained by writing to the Liberal Arts and Sciences Office, at 2323 W. Seminary Ave., Chicago, IL 60614-3298, or by telephone, 312 341-8880. Information on admission to the Graduate School of Business is given on page 95 of this Bulletin.

JOINT GRADUATE BUSINESS AND GRADUATE LIBERAL ARTS AND SCIENCES PROGRAM IN MANAGEMENT INFORMATION SYSTEMS

DePaul University's Graduate Division of the College of Liberal Arts and Sciences and the Graduate School of Business jointly offer an interdisciplinary Master of Science degree program in the area of Management Information Systems. This program addresses the needs of those students wishing to develop proficiency in both management and in systems development. The integrated curriculum thus draws upon the expertise of the business faculty as well as that of the Department of Computer Science and Information Systems.

Applicants to this program must meet the admission criteria of both the Graduate Division of the College of Liberal Arts and Sciences and the Graduate School of Business. In addition, students must pass a Management Information Systems Assessment Examination and/or satisfy certain prerequisites.
PHASE I—COMMON BODY OF KNOWLEDGE

All Candidates for a degree in the Graduate School of Business must satisfy Phase I—the Common Body of Knowledge. This background is essential preparation for advanced study in business. The courses in Phase I are among those which are designated as “GSB” courses. All or part of this curriculum may be required based on an evaluation of the candidate’s previous academic course work. This evaluation is made at the time a student is admitted into the Graduate School of Business, and an evaluation sheet is given to the student listing his or her requirements to be completed. All GSB courses marked as required on the student’s evaluation sheet must be taken as part of the degree program. GSB courses which are not marked as required on the student’s evaluation sheet may not be taken as part of the degree program. (Students in the combined or joint degree programs may have modifications or substitutions for some of the Phase I requirements depending upon their program, choice of courses, and previous training.)

Concepts and Methods

- GSB 500  Information Systems and Technology
- GSB 501  Mathematical Analysis for Decision Making
- GSB 502  Statistical Analysis for Decision Making
- *GSB 503  Organization Behavior: Micro Perspective

Functional Areas of Business

- GSB 504  Financial Accounting
- GSB 505  Contemporary Economic Analysis
- GSB 507  Operations Management
- GSB 508  Marketing Management
- *GSB 513  Money, Banking and Economic Activity

Environmental Perspectives

- GSB 509  Legal Aspects of Business—Fundamentals
- GSB 510  Organizational Policy Formulation and Strategic Management

* M.B.A. students concentrating in International Business may count Economics 556 as a substitute for GSB 503. M.B.A. students concentrating in Association Management will use Management 541 as a substitute for GSB 513, if required.

The interpretation and evaluation of the student’s previous course work taken at a regionally accredited college or university is the prerogative of the Graduate School of Business, which will make the final determination of the quality and pertinence of such work. The general policy for possible waivers from Phase I requirements is summarized as follows:
GSB 500 may not be required if a student has had at least two courses in Management Information Systems with the more advanced course taken at a four-year college or university.

GSB 501 may not be required if a student has had at least one course in Differential Calculus.

GSB 502 may not be required if a student has had at least one course in Statistics.

GSB 503 may not be required if a student has had an adequate background in both Psychology and Sociology.

GSB 504 may not be required if a student has had at least two courses in the Principles of Accounting.

GSB 505 may not be required if a student has had at least two courses in the Principles of Economics.

GSB 507 may not be required if a student has had at least one course in Production Management taken at a four-year college or university.

GSB 508 may not be required if a student has had at least one course in Principles of Marketing and one course in Marketing Management both taken at a four-year college or university.

GSB 509 may not be required if a student has had at least one course in Business Law.

GSB 510 may not be required if a student has had at least one course in Business Policy Formulation taken at a four-year college or university.

GSB 511 may not be required if a student has had at least one course in Money and Banking taken at a four-year college or university.

Waivers are based on course work completed prior to admission into the Graduate School of Business. Once a student has been admitted into the program, he or she cannot waive any further requirements by taking additional undergraduate courses.

In addition to possible waivers based on prior course work, a student under certain circumstances may participate in the University’s Credit-by-Examination Program which may enable the student to validate certain undergraduate credits and thereby waive certain Phase I requirements. Prior approval of the Graduate School of Business is required, and participation is subject to certain procedures and qualifications. Interested students should obtain a copy of the Credit-by-Examination brochure available in the G.S.B. Office and see one of the academic counselors.

Waivers do not count as graduate credits earned. No matter how many waivers are granted based on prior course work and/or credit-by-examination, a student must still meet all residency requirements and must complete the minimum number of graduate courses and credits required for the specific degree program. (See minimum degree requirements listed on pages 162-2.)

PHASE II—ADVANCED PROGRAM: M.B.A.

Phase II consists of advanced GSB courses in the functional areas of business, concentration courses, and electives outside the area of concentration. The minimum requirement for Phase II is ten, eleven, or twelve courses, depending upon the choice of concentration.
Decisions in the Functional Areas of Business

Students usually must take some or all of these five GSB courses, precisely as directed by the Graduate School of Business on the student's program evaluation sheet. The number of courses required in this area directly relates to specific undergraduate course preparation and thus will vary from student to student and will affect the elective portion of the student's program. Any GSB courses which are not marked as required on the student's evaluation sheet may not be taken as part of a degree program.

* GSB 511 Accounting Analysis for Decision Making
* GSB 512 Economics for Decision Making
* GSB 514 Macro Organization Theory
* GSB 515 Decisions in Marketing Management
* GSB 516 Financial Management

* Students concentrating in Management Accounting who have not already taken or been waived from GSB 511 will take Accountancy 342A in its place.

Concentration

Students must declare one (and only one) concentration. Four, five, or six courses are required, depending upon the choice of concentration. M.B.A. concentrations available are:

- Management Accounting
- Management Information Systems
- Business Economics
- International Business
- Quantitative Methods
- Finance
- Association Management
- Entrepreneurship
- Human Resources Management
- Operations Management
- Marketing Management
- Marketing Research

Specific requirements for each concentration are listed in the appropriate section of the Bulletin. In the case of Business Economics, Finance, Entrepreneurship, Human Resources Management, or Marketing Management, the concentration will consist of four courses. In the case of International Business or Operations Management, the concentration will consist of five courses. In the case of Management Accounting, the concentration will consist of five or six courses, depending upon the student's previous training in accounting. In the case of Management Information Systems, Quantitative Methods, Association Management, or Marketing Research, the concentration will consist of six courses.
Electives Outside the Area of Concentration

One to six electives must be taken outside the area of concentration. The number required will depend directly upon the number of courses the student has been directed to take in the GSB 511-516 series (see above) and will be spelled out on the student's program evaluation sheet. The determination of the number of electives required is based on the curricular rule which holds that at least six of the courses in Phase II must be taken apart from the area of concentration. Thus, those students who are directed to take all five courses in the GSB 511-516 series will be required to take one appropriate elective course outside the area of concentration; those students who are directed to take only four courses in the GSB 511-516 series will be required to take two appropriate elective courses outside the area of concentration; and so forth. (An exception is made for those students concentrating in Association Management or in Quantitative Methods, in recognition of the special interdisciplinary nature of these programs. Two courses taken within one of these concentrations may be considered to substitute for two electives outside the area of that concentration. Thus, a student who will complete the Association Management or the Quantitative Methods concentration and who was required to take four or all five of the advanced GSB 511-516 series will thereby fulfill the minimum Phase II requirement.)

All such electives must be chosen from appropriate departmental courses offered by Accountancy, Economics, Finance, Management, or Marketing, or GSB 520, 530, 540, 556, 557, 558 or 640, but in any event must be outside the area of concentration. Any course which duplicates previous successful course work may not be chosen; any course from which the student has been waived may not be chosen.

Additional Electives

In some cases a student may be required to take one, two, or three additional electives beyond the minimum requirement for Phase II to meet the overall thirteen course minimum requirement for the M.B.A. degree. For example, a student who has been waived completely from Phase I and has completed the minimum required for Phase II—ten or eleven or twelve courses depending upon the program—will need an additional three or two or one elective(s) respectively to reach a total of thirteen graduate courses.

Such additional elective(s), if needed, will be indicated on the student's program evaluation sheet and must be chosen from appropriate departmental courses offered by Accountancy, Economics, Finance, Management, or Marketing, or GSB 520, 530, 540, 556, 557, 558 or 640. Such additional elective(s) may be taken either within or outside the area of concentration. Any course which duplicates previous successful course work may not be chosen; any course from which a student has been waived may not be chosen.

M.B.A. Degree Requirements

1. The minimum number of graduate courses to be taken for the M.B.A. Degree is thirteen (52 qtr. hrs). The maximum number of courses including those in Phase I is twenty-one (84 qtr. hrs) or twenty-two (88 qtr. hrs) or twenty-three (92 qtr. hrs) for a degree program, depending upon the choice of concentration.

   Additional prerequisite courses may be recommended to strengthen background for certain programs or choices of courses. Such prerequisites are not counted toward the minimum or maximum number of required courses.
2. Completion of the Common Body of Knowledge. This may be accomplished through course work in the Graduate School of Business or previous academic course work (see pages 13-14).

3. Completion of a minimum of ten, eleven or twelve courses in Phase II as outlined above, depending upon the choice of concentration. Programs with a concentration in Business Economics, Quantitative Methods, Finance, Organization Management, Entrepreneurship, Human Resources Management, or Marketing Management have a Phase II minimum of ten courses depending upon the student’s previous training. Programs with a concentration in International Business or Operations Management have a Phase II minimum of eleven courses, depending upon the student’s previous training. Programs with a concentration in Management Accounting have a Phase II minimum of eleven or twelve courses, depending upon the student’s previous training. Programs with a concentration in Management Information Systems or Marketing Research have a Phase II minimum of twelve courses, depending upon the student’s previous training.

PHASE II—ADVANCED PROGRAM: M.S.A.

Accountancy Courses (12 courses)

- Acct. 541A Financial Accounting Theory and Practice I
- Acct. 542A Cost and Managerial Accounting I
- Acct. 543A Financial Accounting Theory and Practice II
- Acct. 544A Cost and Managerial Accounting II
- Acct. 545A Advanced Topics in Accounting Theory
- Acct. 547A Audit and Regulation of Corporate Financial Reporting
- Acct. 548A Tax Treatment of Individuals and Property Transactions
- Acct. 550A Advanced Topics in Auditing
- Acct. 551A Tax Treatment of Corporations and Partnerships
- Acct. 552A Legal and Ethical Environment of Accounting Practice

Two additional graduate courses in Accountancy, which must not duplicate prior successfully completed course work.

Electives (0-1 elective)

One elective if necessary to meet the thirteen course minimum requirement. This elective must be chosen from appropriate graduate level department courses offered by Accountancy, Economics, Finance, Management, or Marketing, or GSB 520, 530, 540, 556, 557, 558 or 640. Any course which duplicates previous successful course work, or from which a student has been waived, may not be chosen. Other non-duplicatory Phase II GSB courses may be used as electives only with written permission of the GSB Director.
M.S.A. Degree Requirements

1. The minimum number of graduate courses to be taken for the M.S.A. Degree is thirteen (13) qtr. hrs. The maximum number of courses including those in Phase I is twenty-three (23) qtr. hrs.
2. Completion of the Common Body of Knowledge. This may be accomplished through course work in the Graduate School of Business or previous academic course work (see pages 13-14).
3. Completion of a minimum of twelve courses in Phase II as outlined above.

PHASE II - ADVANCED PROGRAM: M.S.T.

Prerequisite Taxation Course (does not apply toward the thirteen course minimum)

Acct. 551A Tax Treatment of Corporations and Partnerships

* Required only of students lacking an adequate undergraduate background in Taxation. Does not count toward minimum requirement.

Required Taxation Courses (11 courses)

Acct. 558T Tax Research
Acct. 560T Taxation of Corporate Shareholders
Acct. 561T Corporate Reorganizations
Acct. 566T Federal Income Tax Procedures
Acct. 571T Estate and Gift Taxation
Acct. 598T Seminar in Current Problems in Taxation

Two additional graduate Taxation courses (Taxation courses are denoted with the letter ‘T’ in the School of Accountancy course listings in this Bulletin)

Non-Tax Electives

Up to two additional Phase II non-tax electives (at least one must be taken outside Accountancy) to reach the thirteen course minimum requirement, to be selected from appropriate graduate level departmental courses offered by Economics, Finance, Management, or Marketing, or GSB 320, 330, 340, 356, 357, 558, or 640. A non-tax elective from Accountancy may be chosen only as a second elective and only with approval. Any course which duplicates previous successful course work, or from which a student has been waived, may not be chosen. Other non-duplicatory Phase II GSB courses may be used as electives only with written permission of the GSB Director.
M.S.T. Degree Requirements

1. The minimum number of graduate courses to be taken for the M.S.T. Degree is thirteen (32 qtr. hrs). The maximum number of courses including those in Phase I is twenty-three (62 qtr. hrs) which includes Acc 571A.
2. Completion of the Common Body of Knowledge. This may be accomplished through course work in the Graduate School of Business or previous academic course work (see pages 13-14).
3. Completion of a minimum of eleven courses in Phase II as outlined above.

PHASE II—ADVANCED PROGRAM: M.ACC.

Accountancy Courses (6 required courses)
Acc 610 Accounting Information Systems
Acc 620 Advanced Auditing Theory
Acc 630 Budgeting, Financial Planning and Control
Acc 640 Accounting Theory and Policy Formulation
Acc 650 Communication in an Accounting Environment
Acc 652 Management in an Accounting Environment

Area of Specialization and Electives as approved by the M.Acc. Program Administrator (7 courses)
Four graduate accounting courses in one area of specialization: M.Acc. students may select an area of specialization in (1) taxation, (2) management information systems, or (3) another area as approved.
Three graduate business courses: M.Acc. students may select courses in Economics, Finance, Management, or Marketing. These course selections must be approved by the M.Acc. Program Administrator, Dr. John McEnroe.

M.Acc. Degree Requirements

1. The minimum requirements for the M.Acc. degree are 236 quarter hours or an undergraduate degree in business with a major in accounting plus thirteen graduate courses (52 quarter hours).
2. Completion of the Common Body of Knowledge. This may be accomplished through course work in the Graduate School of Business or previous academic course work (see pages 13-14).
3. Completion of a minimum of thirteen courses in Phase II as outlined above.
JOINT DEGREE PROGRAM—MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

This degree program is offered jointly by the Graduate School of Business and the Graduate Division of the College of Liberal Arts and Sciences through its Department of Computer Science and Information Systems. The Mathematical Sciences (MAT) courses and Computer Science and Information Systems (CSC) courses listed below are described in either the Undergraduate Colleges and Schools Bulletin or in the College of Liberal Arts & Sciences Graduate Programs Bulletin. Such courses are applicable to this joint program but not to the other degree programs offered through the Graduate School of Business. The remaining courses listed below (GSB, ECO, MIS, MGT) are described in this Bulletin.

The master's degree program consists of three phases:

Pre requisite Phase
Core Knowledge Phase
Advanced Phase

The Prerequisite Phase guarantees that all students have a common background. The Core Knowledge Phase prepares students for advanced study. In the Advanced Phase, students specialize in selected areas of management information systems.

PREREQUISITE PHASE—M.S./M.I.S.

All applicants who satisfy the general admission requirements of the Graduate School of Business and the Graduate Division of the College of Liberal Arts and Sciences initially receive conditional admittance to the Master of Science in Management Information Systems degree program. They may then pursue the degree program but need to fulfill the following requirements to become fully admitted:

- Bachelor's degree completed.
- Counseling session with a graduate counselor.
- A passing score on the MIS Assessment Examination or grades of "B" or better in corresponding Prerequisite Phase courses.
- A course in assembly language or equivalent work experience.

MIS Assessment Prerequisites

The purpose of the Prerequisite Phase is to ensure a common background of knowledge in general business administration, software development, and quantitative methods. Successful completion of the Prerequisite Phase is required to move from the Prerequisite Phase to the Core Knowledge Phase and become fully admitted. To complete this phase, students either pass the DePaul courses listed below or they pass the corresponding written examinations. A grade of "B" or better is required in the Software Development courses and MAT 140. The MIS Assessment Examination covers the following topics.

General Business Administration

- GSB 503 Organizational Behavior: Micro Perspective
- GSB 504 Financial Accounting
GSB 505 Contemporary Economic Analysis
GSB 507 Operations Management
GSB 508 Marketing Management
GSB 509 Legal Perspectives of Business—Fundamentals
GSB 510 Organizational Policy Formulation and Strategic Management
GSB 513 Money, Banking and Economic Activity

Software Development
CSC 203 COBOL Programming
CSC 204 Advanced Topics in COBOL
CSC 215 Introduction to Structured Programming Using C or
CSC 225 C Language for Programmers
CSC 310-311 or 410 Principles of Computer Science

Quantitative Methods
GSB 501 Mathematical Analysis for Decision Making
MAT 140 Discrete Mathematics I
CSC 323 Data Analysis and Statistical Software I

Other Prerequisites
Students must pass one of the following courses or demonstrate equivalent experience. However, this prerequisite is not considered part of the MIS Assessment Examination.
CSC 512 Assembly Language and Computer Organization
CSC 344 IBM Assembly Language

DEGREE REQUIREMENTS
The requirements for the Core Knowledge and Advanced Phases are presented below. In total, students complete thirteen graduate courses. At least six of these courses are chosen from the Computer Systems offerings and at least six of them from the Management Information Systems offerings. The remaining course is chosen from either of the two groups of courses.

CORE KNOWLEDGE PHASE—M.S./M.I.S.
Successful completion of the Core Knowledge Phase consists of completion of the Core Knowledge Phase courses and passing the Core Knowledge Examination.

Core Knowledge Phase Courses
These consist of three Computer Systems courses and three Management Information Systems courses for a total of six courses. Most students complete the courses listed below. However, waiver of some of these courses is possible for students with related course work or experience but requires the permission of their advisor. Students are still responsible for the content of these courses on the Core Knowledge Examination. The course requirements are:
Management Information Systems

MIS 674  Systems Analysis and Design: Concepts, Tools, and Techniques
MIS 676  Management Information Systems: Planning Design and Implementation
MIS 677  Information Systems Project Management

Computer Systems

CSC 446  Computer Operating Systems
CSC 449  Database Technologies
CSC 459  File Management and Organization

Core Knowledge Examination

This examination covers the subject matter of the six Core Knowledge Phase courses listed above. Students take this examination as soon as they successfully complete their Core Knowledge Phase courses.

Students who have relevant coursework or experience may earn a waiver of some of these courses by passing the Core Knowledge Examination. But require the permission of their advisor to attempt this. Students earn a waiver only if they pass the associated Core Knowledge Examination material in one attempt. Waived Management Information Systems courses are replaced by Management Information Systems electives. Waived Computer Systems courses are replaced by Computer Systems electives.

Students must pass this examination in two attempts or they will not be allowed to continue in the program.

Deadline: Students must submit a written application the quarter before taking the Core Knowledge Examination.

ADVANCED PHASE - M.S./M.I.S.

Students must complete seven graduate courses. Three of these must be selected from the Advanced Phase Management Information Systems courses and three from the Advanced Phase Computer Systems Courses. The seventh course must be chosen from MIS 686 Introduction to Telecommunications Management or CSC 461 Basic Communications Systems. Waiver of some of these courses is possible in individual cases but requires approval of the student's advisor.

Advanced Phase Management Information Systems Courses

Students must take two courses from Group A and one from Group B or one from group A and two from Group B. Waiver of these requirements is possible in individual cases but requires the permission of the student's advisor.

Group A:

MIS 675  Advanced Systems Techniques
MIS 678  Problems in Systems Design and Management
MIS 689  Decision Support Systems and Expert Systems
Group B:

MIS 683  Information Processing Management
MIS 684  Computers in Society
MIS 685  Security, Accuracy, and Privacy in Computer Systems

Students who have extra Management Information Systems electives due to waivers of required courses choose from the following courses or from courses in the above groups. With the permission of Dr. Milton D. Shifman, Program Director for MIS, they may also take other graduate courses offered by the Graduate School of Business.

ACC 535  Accounting Systems
ACC 526  Microcomputer Uses in Decision Making
ACC 527  Construction and Use of Decision Models
ACC 588  Management Consulting in the Accounting Profession
GSB 511  Accounting Analysis for Decision Making
MGT 510  Topics in Production Operations Management
MGT 580  Operations Research

Advanced Phase Computer Systems Courses

Students must take three Advanced Phase Computer Systems courses chosen from the following two groups. Waiver of these requirements is possible in individual cases but requires the permission of the student's advisor.

One course chosen from:

CSC 423  Data Analysis and Regression
CSC 430  Computer and Information Systems Modeling
CSC 467  Software Reliability
CSC 468  Software Measurement

Two courses chosen from:

CSC 450  Office Systems
CSC 462  Data Communications
CSC 474  Decision Support Systems
CSC 480  Artificial Intelligence
CSC 494  Software Methodologies
CSC 560  On-Line Systems and Telecommunications
CSC 572  Computer Security
CSC 581  Knowledge-Based Systems

Students who have extra Computer Systems electives due to waivers of required courses choose from the following courses or from the above two groups. With the permission of Dr. Martin Kalin, Program Director for CSC, they may also take other graduate courses offered by the Department of Computer Science and Information Systems.

CSC 442  Data Structures
CSC 489  Queueing Theory with Computer Applications
CSC 549  Advanced Topics in Database Technology
CSC 565  Voice Telecommunications
ECO 512  Applied Time Series and Forecasting (offered by the Graduate School of Business)
GSB Courses

Karen M. Stark, Assistant Dean and Director

All courses in the Common Body of Knowledge and decision courses in the Functional Areas of Business are designated as Graduate School of Business (GSB) courses, and are coordinated by the Director for Graduate Programs and by Faculty Advisory Committees of the Graduate School of Business.

PHASE I—COMMON BODY OF KNOWLEDGE

Courses in Phase I are designed to provide students with: 1) a knowledge of the general theories in the major functional areas of business, 2) the quantitative tools necessary to analyze business problems, and 3) an understanding of the behavioral considerations and environmental ramifications of business decisions.

These courses may not be required if a student has had equivalent academic course work as indicated on pages 13-14. Upon admission to the Graduate School of Business a review is made of the transcripts submitted by the candidate to determine the program of courses required for completion of the degree. The results of this review are indicated on the student's evaluation sheet. If a GSB course is not required, the student should not take the course but is responsible for the material normally taught in the course. Candidates should review their evaluations and should request any revisions considered necessary prior to or during the first quarter of attendance.

PHASE II—DECISIONS IN THE FUNCTIONAL AREAS OF BUSINESS

The GSB 511-512 and 514-516 series includes the study of the decision areas in business. These courses make use of problems and cases to demonstrate the application of general theory, the use of methods of analysis and the decision process itself.

Candidates for the M.B.A. degree usually must take some or all of the courses in this series. The exact number of these courses and the specific ones to be taken will be indicated on the student's evaluation sheet and will be determined on the basis of previous course work.
GBS 520, 530, 540, 556, 557, 558 and 640 are offered for elective credit where applicable. GSB 520 is required for the Quantitative Methods concentration. GSB 530 may be recommended as an elective for those students concentrating in Management Information Systems. GSB 556, 557 or 558 may be used as part of the concentration in International Business and therefore may not be counted as electives outside the area of concentration in International Business.

No courses should be taken which duplicate previous successful course work. GSB courses not indicated as required or approved on the student's evaluation sheet may not be taken for degree credit, except those numbered GSB 520 or above.

All GSB courses except GSB 520, 530, 540, 556, 557, 558 and 640 will be offered each term.

GBS 560 Information Systems and Technology, introduction to the computer business data processing and Management Information Systems including the procedures involved in gathering, recording, and processing information. The principles of automatic computation, information-retrieval, and the organization and evaluation of high-speed computing systems are stressed. Flow charting, programming, and problem preparation are covered with applications to business data problems. Students get hands-on computer experience using the programming language BASIC. Prerequisite: GSB 504 or equal.

GBS 501 Mathematical Analysis for Decision Making. The objective of this course is to introduce the student to mathematical concepts necessary for the analysis of business problems. Topics covered are: a brief review of college algebra, differential calculus and linear algebra. Prerequisite: Graduate Standing.

GBS 502 Statistical Analysis for Decision Making. The objective of this course is to introduce the student to statistical concepts necessary for the analysis of business problems. Topics covered are: descriptive and inferential statistics, hypothesis testing, and an introduction to regression. Prerequisite: GSB 501 or equal.

GBS 503 Organization Behavior: Micro Perspective. This course will consider those aspects of psychology and social psychology that impact on the individual in his or her role as a member of a formal organization or a group therein. Specific attention will be given to the following topics: individual topics: job satisfaction, personality factors, learning, socialization, organizational commitment, and evaluating and rewarding individual effectiveness; Small Group Topics: Communications, organizational change and organizational development. Prerequisite: Graduate Standing.

GBS 504 Financial Accounting. An introduction to Financial Accounting; provides both a theoretical foundation and an opportunity to apply accounting logic in increasingly complex situations. The Accounting Model and information processing cycle are developed. The contents of the Income Statement, Balance Sheet, and Statement of Cash Flows are studied in detail and analyzed. Prerequisite: Graduate Standing.
**GSB 505 Contemporary Economic Analysis.** The fundamental concepts, models, and analytic tools of micro and macroeconomics required for competent decision making are explored. Economics and the economic problem are defined, and the micro issues of demand and supply, elasticity, cost, pricing, and distribution are covered as one explanation of economic activity inside the firm. In the macro area, emphasis is placed on measurement of economic activity, simple models of national output, fiscal and monetary policy, and inflation and unemployment. Prerequisite: GSB 500, 501, 502 or equiv.

**GSB 507 Operations Management.** This course provides an introduction and overview of the field of operations management. Major problems and issues in the field are addressed. Concepts both quantitative and qualitative and problem solving techniques used by operations managers are applied to both the manufacturing and service sectors. Prerequisite: GSB 500, 501, 502 or equiv.

**GSB 508 Marketing Management.** Major marketing institutions and the processes which facilitate the flow of goods and services from production to final consumption are studied. Analysis is made of the major factors which are considered at various stages of the consumer decision process. Prerequisite: GSB 501, 502, 503 or equiv.

**GSB 509 Legal Aspects of Business-Fundamentals.** A study of the legal framework within which the U.S. businessman must operate in accordance with ethical considerations and social responsibilities is combined with the study of the application of substantive rules in the basic area of contracts. The second half of the term provides a study of the applications of the rules of the more specialized business contacts, namely, real and personal property, commercial paper, sales, and the laws of the agency. Landmark decisions in each of these areas will be discussed in exemplifying the manner in which law is applied to business. Prerequisite: Graduate Standing.

**GSB 510 Organizational Policy Formulation and Strategic Management.** This is a capstone course drawing heavily on the subject matter covered in all prerequisite courses. Emphasis is upon the role of general management and the development of policies and strategies for the organization as a whole. Topics include the relationship among functional, tactical, and strategic management; the identification and integration of policy and strategy alternatives; the importance of the external environment; and the evaluation and execution of strategy. Case analyses will be used to afford the student the opportunity to apply some of the concepts and approaches developed in the course. Prerequisite: GSB 500 through 509 and GSB 513 or equiv.

**GSB 511 Accounting Analysis for Decision Making.** The purpose of this course is to provide students with a conceptual understanding of cost and managerial accounting and with the skills for applying the knowledge in decision making. Topics include financial statement analysis, cost behavior, cost-volume-profit analysis, standard cost systems, budgeting and control and decision making. Emphasis is on the interpretation and use of accounting information rather than its creation and accumulation. Prerequisites: GSB 501, 502, 503, 504 or equiv.
GSB 512 **Economics for Decision Making.** Demonstration of the relevance and linkage of economic analysis, data, and institutions to decisions faced by the firm. (a) in its product and resource markets; (b) with respect to industrial and general economic conditions, government and society; and (c) efficient internal operations. Specific topics include: consumer demand analysis and estimation; elasticity, the theory of production; cost structure and estimation; constrained profit maximization; and the effect of market structure on pricing, output and profit. Prerequisite: GSB 501, 502, 503 or equiv.

GSB 513 **Money, Banking and Economic Activity.** A study of the complex relationship between fiscal and monetary policies and the business and economic environment within which the individual investor, financial institutions, and the financial officers of business operate. Specific topics include: role of money in the economy; financial markets and financial intermediaries with emphasis on commercial banks; commercial bank asset and liability management; central banking; monetary theories and monetary policy; and international finance. Prerequisite: GSB 501, 502, 503 or equiv.

GSB 514 **Macro Organization Theory.** The course examines systems of organizations focusing on their structure, environment, technology and design. Utilizing the organization as the unit of analysis, organizational characteristics are examined for comparative purposes. The emphasis is on the adjustment and design processes of major subsystems and whole organizations to their changing contexts. Organizational effectiveness, communication systems, structural variables, and efficient decision making systems concepts are stressed. Prerequisite: GSB 501, 502, 503 or equiv.

GSB 515 **Decisions in Marketing Management.** Students are provided with an overview of the marketing process. The orientation is toward the kinds of decisions which marketing managers must make within the limits prescribed by consumers, by government, and by competition. Tools available to marketing managers to facilitate decision making are emphasized. Written cases/projects are part of the course assignment. Prerequisite: GSB 501, 502, 503, 508 or equiv.

GSB 516 **Financial Management.** (formerly GSB 506). A study of the major decision areas faced by the corporate financial manager and their relationship to the goals of the owners of the firm. Specific topics covered include: capital budgeting, capital structure and the cost of capital; dividend policy, and current asset management. Prerequisite: GSB 501, 502, 504, 506 or equiv.

GSB 520 **Analytical Methods.** This course is designed to provide the student with more advanced methods in quantitative analysis. Topics covered include: hypothesis testing, probability, correlation analysis, and multiple regression. This course will be offered at least twice a year. Prerequisite: GSB 501, 502 or equiv.

GSB 530 **Business Applications Programming in COBOL.** An introduction to programming concepts using COBOL. This course will consider programmed solutions to business-related problems, including the processing of data from simple files and the preparation of edited reports. Hands-on experience will be provided through the use of the University's computing facility. Offered Autumn. Prerequisite: GSB 500 or equiv.
GSB

**GSB 540 Great Ideas, Business and Society.** An in-depth study, using primary sources, of the basic ideas, aspirations, values—goods in the highest sense—which humanity strives to attain and which constitute fundamental and challenging demands on the world of business and its managers and their policies and decisions. Crosslisted with MLS 452. Offered at least once a year. Prerequisite: Graduate Standing.

**GSB 556 Geo-Political and Cultural Characteristics of U.S. Trading Partners.** Analysis of major geographical factors affecting current economic, geopolitical and cultural conditions in those countries most involved in U.S. foreign trade. Guest lectures, comprehensive maps and pertinent media presentations supplement weekly class discussions. Directed by an instructor with first-hand knowledge of nearly all of these countries. Offered Autumn. Prerequisite: Graduate Standing.

**GSB 557 European Seminar: Comparative Business Practices I.** The purpose of this seminar is to provide the student with an on-site introduction to the cultural, business and economic environment and business practices in certain West European countries. The countries visited during recent years were Belgium, England, France, and the Netherlands. Selected students participate in seminars arranged with senior management and other personnel of a variety of organizations, including U.S. and European multinationals, firms and their subsidiaries, European private and public enterprises, and European educational institutions. These organizations cover the areas of accounting, commercial and central banking, marketing, manufacturing, insurance, business journalism, and consulting. Participants pay all travel and living expenses. Offered in Summer Session I only. Application for the program must be made during Autumn Quarter. Contact Dr. Animesh Ghoshal, Director of European Seminar. Prerequisite: Graduate Standing and Permission.

**GSB 558 European Seminar: Comparative Business Practices II.** This course is to be taken concurrently with GSB 557. Students will be required to complete an in-depth research paper in an international business area approved by the Director of the Seminar. Information gathered during the seminars with various organizations in Europe must also be incorporated into the research paper. Prerequisite: Concurrent registration of GSB 557.

**GSB 640 Problems in Ethics: Issues in Business.** A seminar in business ethics that centers on theoretical, practical, and pedagogical issues. Cross-listed with PHL 640 and MLS 462. Offered variably. Prerequisite: Graduate Standing.

**GSB 798 Special Topics.** Offered variably.
School of Accountancy
School of Accountancy

John T. Ahern, Jr., Director

Known for its innovative programs in accounting, the School of Accountancy has been a major source of graduates for professional accountancy careers in public accounting, business and industry, and the public sector. The School is a member of the Federation of Schools of Accountancy and is one of the largest accounting programs in the United States.

The School of Accountancy strives to serve students, the public interest and the profession of Accountancy through teaching excellence, service, and research. The School of Accountancy serves by:

- providing qualified students through undergraduate and graduate degree programs with the education necessary to commence and continue their careers as professional accountants in public accounting, business and industry, and the public sector
- providing all students in the College of Commerce with a fundamental knowledge of accounting as a vital element in the management of complex organizations
- providing the public with education in accounting that services needs including courses for continuing education and professional certification
- promoting applied and theoretical research of significance to the accounting profession and the underlying accounting discipline

The School of Accountancy offers the following graduate degree programs through the Graduate School of Business:

M.B.A. — Management Accounting concentration
M.B.A. — Management Information Systems concentration
Master of Science in Accountancy
Master of Science in Taxation
Master of Accountancy

Master of Science (jointly through Graduate School of Business and Graduate Division of College of Liberal Arts and Sciences) — Management Information Systems program.
M.B.A. – Management Accounting

The M.B.A. degree with a concentration in Management Accounting is designed for persons seeking careers as accounting or financial executives. It integrates the various functional areas of business while emphasizing financial planning, control, analysis and decision making. The objectives of the program are to provide the students with basic conceptual knowledge of accounting and with insights into the nature, interpretations, uses, and limitations of financial information which serve as a foundation for accounting career development. The program is flexible enough to accommodate persons with previous accounting or business backgrounds, as well as persons with non-business backgrounds. Students in the program are encouraged to sit for the CMA exam and obtain the Certificate in Management Accounting. The program has sufficient depth to permit specialization in accounting for non-profit organizations (Acc. 537 and 538) or in international accounting (Acc. 536 or 557).

Minimum requirements for a Management Accounting concentration for the M.B.A. degree are: Accountancy 501, 502, 503, 599 and two graduate level Accountancy courses chosen from Accountancy 526, 527, 528, 533, 535, 536, 537, 538, 550A, 556, 557, 584, 585, 586, 587 and 588. Two advanced level undergraduate Accountancy courses taken prior to admittance into the Graduate School of Business, and evaluated by the GSB office, will allow a student to waive one of the Accountancy electives; thus resulting in a five-course concentration sequence.

If a student has an undergraduate accounting major or has already taken coursework which completely satisfies Accountancy 501, 502, or 503, then one of the following substitutions must be made in each case:

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<th>In Place of Accountancy:</th>
<th>Substitute Accountancy:</th>
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<td>509, 526, 527, 537, 536, 557, 584, 585, or 587</td>
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<td>502</td>
<td>526, 527, 528, 533, 538, 586, or 588</td>
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<td>503</td>
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If a student has already taken coursework which only partially satisfies Accountancy 501, 502, or 503, then the related Accountancy elective should be substituted to complete the requirement. For example, if a student has already taken financial accounting but not taxation, then Accountancy 584 should be substituted for Accountancy 501. Similarly, if a student has already taken auditing but not accounting systems, then Accountancy 575 should be substituted for Accountancy 503. Care should be taken to avoid duplication of course content. All Accountancy electives and substitutions must be approved by the Program Administrator. Dr. Helene Ramanuska-Marconi.
M.B.A. – Management Information Systems

The M.B.A. degree with a concentration in Management Information Systems is designed to: (a) develop mastery of basic and advanced systems and information processing techniques and methods and how they are applied in a variety of situations. (b) provide a knowledge of the general business and economic framework within which systems work is generally conducted. (c) familiarize the student with the various approaches to decision making which are being accorded increasing emphasis in the business community, and (d) develop proficiency in the communications and other human relations skills so vital to successful systems work.

Students in this program are required to have a working knowledge of the COBOL programming language with file handling. This background may be satisfied by GSB 530, equivalent course work or practical experience. The extent to which experience may be sufficient will be determined by the Administrator of the program in consultation with the student and the Graduate School of Business.

**Minimum requirements for a Management Information Systems concentration for the M.B.A. degree are:** MIS 670, 671, 674, 676, 679 and one other graduate level MIS course.

Students with either previous course work or significant work experience equivalent to one or more of the courses MIS 670, 671, 674 or 676 should make the following course substitution(s) in consultation with the Program Administrator, Dr. John T. Ahern, Jr.

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<th>In Place of MIS</th>
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If all four of the above substitutions are made, then the MIS elective must be chosen from the following: MIS 677, 683, 684, 685, 686, 689.

Care should be taken to avoid duplication of course consent. Enrollment in all MIS courses must be approved by the Program Administrator.

**Students wishing to concentrate in MIS must have their concentration courses approved by the Program Administrator prior to beginning their Phase II course work. Failure to do so may result in the student not receiving credit for courses not approved and/or irreconcilable schedule conflicts.**
M.S.A. and M.S.T. and M.Acc. and M.S./M.I.S.

Minimum Accountancy requirements for the M.S.A. degree are listed on page 17. The Program Administrator of this program is Dr. William Stevens.

Minimum Accountancy requirements for the M.S.T. degree are listed on page 18. The Program Administrator of this program is Dr. Edward Feth.

Minimum Accountancy requirements for the M.Acc. degree are listed on page 19. The Program Administrator of this program is Dr. John Aiken, Jr.

For the joint M.S./M.I.S. degree program in Management Information Systems, see page 20. The Program Administrator of this program is Dr. Milton D. Shulman.

Students are advised to read carefully the course descriptions and prerequisites listed after each course title and the footnotes on the pages in this section. Some special restrictions apply to certain courses. Courses marked with the letter "A" belong to the M.S.A. program. Courses marked with the letter "T" belong to the M.S.T. program. Courses which represent a substantial duplication of previous course work will not count toward fulfilling degree requirements. The student should obtain advisement if in doubt as to appropriate course selections.

Do not make course selections which duplicate previous undergraduate or graduate course work in Accounting.

501 Financial Reporting and Taxation. Interpretation, analysis, and use by management of corporate financial statements. Topics considered are the corporate reporting environment, income statement issues, asset valuation and related issues including price-level and current value accounting, long-term commitments, and other reporting issues including accounting for foreign operations and diversified companies. Also considered are fundamentals of corporate income taxation, taxation of special entities, and the effects of taxation on financial reporting. (This course may not be taken by M.S.A. students.) Offered Autumn. Prerequisite: Completion of Phase I or consent.

502 Internal Reporting and Management Decisions. Interpretation, analysis, and use by management of internal accounting information. Topics include: inventory planning and control, cost allocation, cost-price-volume decisions, analysis and control of non-manufacturing costs, budgeting and financial planning, and capital budgeting. Students are familiarized with quantitative models and approaches used for management decisions such as linear programming, statistical quality control, network methods, regression correlation analysis, and learning curves. When feasible, problems are solved manually and by computer. (This course may not be taken by M.S.A. students.) Offered Winter. Prerequisite: Completion of Phase I and Acc. 542A or equiv.
Accounting Information Systems and Auditing. Accounting systems design and the audit process, and how they interact to aid management in controlling business operations. Emphasis is placed on the functions of the auditor including planning the audit, flowcharts, accounting systems, study and evaluation of internal accounting controls in ERP environment, statistical sampling and evidence gathering, and reporting. Comparisons and contrasts between internal and external auditors are discussed at appropriate points. This course may not be taken by M.S.A. students. Offered Spring. Prerequisite Completion of Phase 1 and Act. 542A or equiv.

Accountancy Theory. The student is assisted in the development of a comprehensive philosophy of accountancy. Historical origins of accounting concepts, principles, and standards are critically examined in the light of present economic and social institutions and professional practice. Particular attention is given to current problems and literature in the field of accounting theory. Offered Variable. Prerequisite Completion of Phase 1 or equiv. and Act. 501, or Act. 542A.

Microcomputer Uses in Decision Making. Hands-on use of microcomputers as tools for solving business problems. Students will learn to apply existing software and to construct their own worksheets. Emphasis will be on problem formulation, input preparation and solution analysis. Problems are selected from areas such as allocation of scarce resources, capital budgeting, inventory planning and control, pricing and performance evaluation. Offered Autumn (no previous microcomputer experience required). Spring (prerequisite: Basic Knowledge of Lotus 1-2-3). Prerequisites: GSB 502 and either Act. 542A or GSB 51) and permission of instructor.

Construction and Use of Decision Models. This course covers the art of decision model construction and the application of existing decision models to managerial planning, control, and decision making. Existing models covered include linear programming and sensitivity analysis, learning curves, correlation analysis, inventory control models, PERT, and CPM. Students will learn to apply probability and utility theory to decision making under uncertainty, as well as to apply the concepts of game theory to conflict situations in a business setting. If time permits, the application of Markov processes and simulation to managerial planning and decision situations will be covered. Extensive microcomputer applications will be used in this course. Offered Variable. Prerequisite Completion of Phase 1 or equiv.

Behavioral Accounting. The course familiarizes the students with a conceptual understanding of the behavioral aspects of accounting and how to apply them to the solution of behavior-related organizational problems. They will learn about the impact accounting methods and reports have upon individuals and collective behavior and how they can be altered to attain optimum results. Attention will be given to human resource accounting and the behavioral implications in planning, controlling and decision making. Students will also be exposed to the behavioral circumstances to be considered in system design and external reporting. Offered Autumn. Prerequisite Completion of Phase 1 or equiv.
Corporate Planning. This course investigates the conceptual framework for and the development of integrated corporate planning and control in business enterprises and not-for-profit organizations. Consideration will be given to long-range strategic planning, annual budgets and product as well as project planning. The course also conveys an understanding of the human elements and organizational constraints which may affect the corporate planning function. Students will be exposed to the use of quantitative techniques and microcomputers as planning tools. Offered Winter. Prerequisite: Completion of Phase I or equiv.

Accounting Systems. Today's business person requires a fundamental knowledge of computer-based information systems and their role in accounting functions and financial decision making. This course will enable the student to interface with accounting systems, participate in their design and audit, and to use microcomputers effectively in financial planning, control, and analysis. Topics include: advance data processing concepts; computer security and controls; systems analysis, design, and implementation; hardware/software evaluation and selection; data base systems; data communications, and office automation. Students will gain hands-on experience on microcomputers. Offered Winter. Prerequisite: GSB 510 or equiv.

Operational and Internal Auditing. An advanced-level seminar in the current theory and practice of operational and internal auditing. Topical coverage includes in-depth analysis of the objectives and technologies, professional standards, and contemporary issues in the field, together with the influence of environmental factors, such as governmental regulation. Recent developments as reflected in authoritative literature are used to emphasize current concerns regarding internal administrative controls in business enterprises. This course is suggested as part of the preparation for the Certified Internal Auditor and Certified Management Accountant designations. Offered Spring. Prerequisite: Act. 403 or 517 A or equiv.

Financial Accounting for Nonprofit Organizations. An introduction to the financial accounting for municipalities, hospitals, colleges and universities and other nonprofit organizations. The course presents an extended view of fund accounting, financial reporting, and presently existing pronouncements relevant to each type of the nonprofit organizations. Offered every other year, next offered Winter 1991. Prerequisite: GSB 504 or equiv.

Management Accounting for Nonprofit Organizations. The use of management accounting techniques for Nonprofit Organizations (e.g., municipalities, hospitals, colleges and universities, and others). Topics include cost accounting, relevant cost analysis, performance evaluation, and management reporting. The course involves the study of technical methods of management accounting and the analysis of case studies. Offered every other year, next offered Spring, 1991. Prerequisite: GSB 511, Act. 542 A or equiv.
341A **Financial Accounting Theory and Practice I.** Intermediate theory and preparation of financial statements: review of accounting concepts and development of the accounting model: methods and problems in valuation and reporting with emphasis on current assets and liabilities, property, plant and equipment, and intangibles; review of relevant authoritative literature. Selected spreadsheet applications will be introduced through classroom presentations. Offered Autumn, Winter, Summer. Prerequisite: Completion of GSB 504 or equiv.

342A **Cost and Managerial Accounting I.** Introduction to cost and managerial concepts and techniques. Topics include cost accumulation, cost behavior, break-even analysis, budgeting, contribution approach to income measurement, joint and by-product costing, cost allocation methods, and their relevance for decision making. Offered Autumn, Winter, Summer. Prerequisite: Completion of GSB 504 or equiv.

343A **Financial Accounting Theory and Practice II.** Continuation of intermediate theory and preparation of financial statements with emphasis on the components of stockholder's equity, special problems such as earnings per share, accounting changes, income taxes, and Statement of Cash Flows; review of relevant authoritative literature and interpretation of financial statements. Selected spreadsheet applications will be introduced through classroom presentations. Offered Spring. Prerequisite: Act. 541A.

344A **Cost and Managerial Accounting II.** This course presents topics in cost and managerial accounting. Topics include budgeting, responsibility accounting, decentralization and transfer pricing, quantitative decision models and network analysis. Computers will be used for problem solving. Offered Winter, Spring. Prerequisite: GSB 501, 502. Act. 542A or equiv.

345A **Advanced Topics in Accounting Theory.** The course is designed to provide comprehensive coverage of the following advanced topics: consolidations, partnership accounting, foreign operations, and not-for-profit accounting. Coverage of the topics emphasizes both theory and practice. Mastery of the material is obtained through problem-solving situations. Selected spreadsheet applications will be introduced through classroom presentations. Offered Autumn, Spring. Prerequisite: Act. 543A.

347A **Audit and Regulation of Corporate Financial Reporting.** The theory of the auditing function, including the definition of standards and legal and ethical dimensions; problems of auditing, reporting, systems review, sampling and audit evidence, and electronic data processing. The role of governmental regulation of financial reporting, especially the impact of securities legislation and the Securities and Exchange Commission. Offered Autumn, Spring. Prerequisite: Completion of Act. 541A.

348A **Tax Treatment of Individuals and Property Transactions.** This course provides detailed coverage of the federal income tax treatment of individuals taxpayers. It includes coverage of inclusions, exclusions, deductions, credits, rates of taxation and special tax computations. It also covers the tax aspects of property transactions and provides an introduction to tax research. A student may not receive credit for this course if he or she will also receive credit for Accountancy 584.; Offered Autumn, Winter. Prerequisite: Completion of GSB 504 or equiv.

**NOTE:** The letter "A" denotes M.S.A. Courses.
550A Advanced Topics in Auditing. The coverage of the audit of computer-based systems includes concepts, terminology, and the review of internal control. In addition, the use of statistical methods and generalized computer audit software in auditing is emphasized. The course also includes an intensive review of recent statements of auditing standards. Offered Autumn, Winter. Prerequisite: Acc. 547A.

551A Tax Treatment of Corporations and Partnerships. This covers the federal income tax treatment of corporations and partnerships, it includes an exposure to estate and gift taxation. This course is a prerequisite for students in the M.S.T. Program not having the equivalent undergraduate course work in taxation. (A student may not receive credit for this course if he or she will also receive credit for Accountancy 584.) Offered Winter, Spring. Prerequisite: Acc. 548A or its equiv. (The prerequisite does not apply to those enrolled in the M.S.T. Program.)

552A Legal and Ethical Environment of Accounting Practice. This course covers aspects of the legal environment of special concern to accounting practitioners including: the ethical standards of auditing and tax practice; legal liability of accountants; contract law; property law; commercial paper; the laws of agency, sales and public regulation and disclosure laws. Offered Winter. Prerequisite: GSB 509 or equiv.

556 International Accounting, Auditing and Taxation Practices. The course examines the environmental factors (political philosophies, economic structures, legal systems, etc.) that shape the basic development patterns of accounting and auditing by country. It familiarizes the students with various harmonization attempts of international accounting and discusses the international differences in handling of inflation and the diversity in financial reporting and disclosure of information. Particular emphasis will be placed on the harmonizations occurring in Europe in 1992. Finally, it familiarizes students with taxing philosophies and practices by country and gives an overview of the U.S. taxes assessed on revenues and earnings from multinational business. Offered every other year, next offered Winter 1990. Prerequisite: Completion of Phase I or equiv.

557 International Accounting Issues and Problems of Multinational Enterprises. The objectives of this course are to familiarize students with multinational enterprises and the accounting issues and problems peculiar to them. It will discuss therefore consolidation of foreign subsidiaries, foreign currency translations, foreign investment analysis and multinational risk management. This course will also deal with international transfer prices and the peculiarities of internal auditing in an international setting. Students will also become familiar with ethical and code of conduct considerations and with the accounting problems peculiar to developing nations. Offered every other year, next offered Spring 1990. Prerequisite: Completion of Phase I or equiv.

558T Tax Research. Tax research methods are taught in the classroom. Course content begins with a study of the history of the body of tax law. A "walk through" technique is employed to give the student first hand experience in the use of a tax research service. Offered Autumn, Winter, Spring, Summer. Prerequisite: Completion of Phase I or equiv.

Topics in Individual and Corporate Taxation. This course deals with a variety of topics which are important in tax practice such as: alternative minimum tax, passive losses, interest limitations, the at-risk rule, hobby losses, use of a home, net operating losses, depreciation and capital recovery including related credits, unearned income of a minor child, uniform capitalization rules, and time value of money concepts. Offered variably. Prerequisite: Completion of Phase I or equiv. and Acc. 551A and Acc. 558T or equiv.

Taxation of Corporate Shareholders. Emphasis is on the federal income taxation of distributions to corporation shareholders, including non-liquidating distributions and distributions in connection with liquidations. Collapsible corporations and the tax consequences of transfers of property to a corporation are also covered. Offered Autumn, Winter, Spring. Prerequisite: Completion of Phase I or equiv. and Acc. 566T.

Corporate Reorganizations. Federal income tax implications of transfers of stock, securities and property in connection with corporate acquisitions, combinations and separations. This course is mainly concerned with the tax consequences to corporate parties to reorganizations and to their shareholders. Emphasis is given to determining the taxability of transactions and asserting the availability of tax attributes to successors in interest. Offered Autumn, Winter, Spring. Prerequisite: Completion of Phase I or equiv. and Acc. 558T and Acc. 566T.

Consolidated Returns. This course deals with the principles and mechanics of tax consolidations including eligibility, inter-company transactions, inventory adjustments, basis of property, net operating losses, earnings and profits, and separate return limitations. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv. and Acc. 560T and Acc. 561T.

Partnerships. An in-depth analysis of the federal income tax rules governing partners and partnerships. The course includes study of the aggregate and entity theories, partnerships distributions and liquidations, dispositions of partnership interests, transactions concerning unrealized receivables and substantially appreciated inventory items and special basis adjustments. Offered Autumn, Winter, Spring, Summer. Prerequisite: Completion of Phase I or equiv. and Acc. 551A and Acc. 558T or equiv.

Transactions in Property. This course is concerned mainly with the federal income tax implications of gains and losses derived from sales and other dispositions of property. Emphasis will be given to the determination and recognition of gain or loss, character of gain or loss (capital or ordinary), basis and holding period. Offered Autumn, Winter, Summer. Prerequisite: Completion of Phase I or equiv. and Acc. 551A and Acc. 558T or equiv.

Tax Accounting, Periods, and Methods. This course deals with federal income tax planning as to determination of the proper periods for reporting income and deductions, overall methods of tax accounting, and special elections available to taxpayers. Topics include the installment method, long-term contract method, accrual method, cash method, FIFO, LIFO, and accounting periods. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv. and Acc. 551A and Acc. 558T or equiv.

NOTE: The letter "T" denotes M.S.T. courses.
Federal Income Tax Procedures. A study of the procedures which must be followed when dealing with the Internal Revenue Service and possible alternative courses of action. Included are such topics as the organization of the Internal Revenue Service, filing requirements, refund claims, closing agreements, examination procedures, protests, assessment, payment and collection of tax, statute of limitations, and interest and penalties. Offered Autumn, Winter, Spring. Prerequisite: Completion of Phase I or equiv. and Act. 551A and Act. 558T or equiv.

International Aspects of United States Taxation. This course covers the federal income taxation of United States persons investing or doing business outside the United States and of nonresident aliens and foreign corporations having nexus with the United States. Topics covered include, among others, the foreign tax credit, Sub-part F income, controlled foreign corporations, sourcing rules and expatriate taxation. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv. and Act. 551A and Act. 558T or equiv.

Taxation of Closely Held Corporations. This course deals with federal income tax planning in connection with the accumulated earnings tax, personal holding companies, S corporations, multiple corporations, transactions between related entities, and small business corporation stock. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv. and Act. 560T and Act. 561T.

Concepts of Deferred Compensation. The nature, purpose and operation of the various forms of deferred compensation are examined and evaluated: employee pension, profit sharing and stock bonus plans, stock options, executive compensation plans, retirement plans for self-employed individuals, other plans. Offered Autumn, Winter, Summer. Prerequisite: Completion of Phase I or equiv. and Act. 551A and Act. 558T or equiv.

Concepts of State and Local Taxation. This course deals with the common types of taxes imposed by state and local governments: income, sales, excise, and City of Chicago taxes are analyzed for similarities and differences. Emphasis is on basic underlying principles and the application of these principles to various types of transactions. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv. and Act. 551A and Act. 558T or equiv.

Estate and Gift Taxation. This course consists of a detailed review of the federal estate and gift tax laws. In the area of estate taxation, assets included and deductions allowed are reviewed in detail by reference to law regulations and cases. Recognition of gifts and gift tax deductions and exclusions are also covered. Offered Autumn, Winter, Spring. Prerequisite: Completion of Phase I or equiv. and Act. 551A and Act. 558T or equiv.

NOTE: The letter "T" denotes M.S.T. courses.
573T  Income Taxation of Estates, Trusts and Decedents. This course deals with federal income taxation of estates, trusts and decedents with special emphasis on such concepts as income in respect of a decedent and estate and trust distributions. Also included are such topics as the income and deductions included in the decedent’s final return, death of a partnership member, the income and deductions of estates and trusts, the throwback rule, grantor trusts, and the tax ramifications of the use of other special trusts. Offered Spring. Prerequisite: Completion of Phase I or equiv., and Acc. 551A, Acc. 558T, and Acc. 571T or equiv.

574T  Estate Planning. This course will deal primarily with how to avoid and minimize federal estate taxes and estate administration expenses upon the subsequent demise of the client. Therefore, the student must have taken the estate and gift taxation course prior to taking this course. The use of outright gifts, the use of trusts, generation-skipping transfers, and charitable gifts will also be considered. Offered Winter. Prerequisite: Completion of Phase I or equiv., and Acc. 571T.

576T  Valuation Concepts. This course examines concepts of value, fair value and fair market in federal income, estate, and gift taxes and the application of the concepts to closely held corporate stock, real estate, personal property, interests in partnerships and sole proprietorship. In addition, the principles are applied to other valuation areas such as blockage, marketability discounts, restricted stock (letter or contingent), allocation of purchase price, intangible assets (depreciable and non-depreciable) and analysis of financial statements. Offered Spring. Prerequisite: Completion of Phase I or equiv., and Acc. 551A and Acc. 558T or equiv.

577T  Taxation of Commodities, Options and Financial Instruments. This course provides an in-depth analysis of the taxation of commodities, options, various financial products and market participants. Topics include taxation of section 1256 contracts, government securities, foreign currency transactions, discount obligations, hedging transactions, as well as swaps and dealer reporting requirements. Offered Autumn and Spring. Prerequisite: Completion of Phase I or equiv., Acc. 551A, Acc. 558T and Acc. 564T or equiv.

581T  Taxation of Real Estate. An in-depth study of federal income taxation as it relates to real estate including current issues and planning possibilities. Topics include consequences of acquisition and disposition, real estate development, leasing, mortgages and other financing devices, and forms of ownership of real estate. Offered Autumn. Spring. Prerequisite: Acc. 561T or equiv.

582T  Advanced Concepts in International Taxation. This advanced course is a companion offering to the introductory international taxation course (Accountancy 561T). In this course, planning issues and tax savings opportunities are emphasized in complex areas including source of income considerations, foreign tax credit matters, Subpart F issues and the tax matters of foreign corporations. In addition, tax treaty matters, international tribes and boycott sanctions and foreign currency translation issues are addressed. Offered Winter. Prerequisite: Acc. 561T or equiv.

NOTE: The letter "T" denotes M.S.T. courses.
584 Income Tax and Business Decisions. The study of the impact of federal income taxation on business decisions with emphasis on such areas as choice of business organization, executive compensation, and property transactions. This course is intended for students in the M.B.A. Program and restricted to those who have not had undergraduate or graduate credit for Acc 548A or Acc 551A or their equivalents. (M.S.A. students may not take this course.) Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

585 The Regulatory Environment of Accounting. An advanced course which examines the historical and current impact of the Securities and Exchange Commission on significant issues in professional and corporate accounting. Topics include: the standard-setting process for accounting and auditing issues, regulatory influences on the accounting and auditing practices of public companies, accountants' social and ethical responsibilities, and recent developments in the practice of accounting and auditing of public companies. Pronouncements issued by professional and regulatory bodies are examined from the perspective of corporate management and the public accountant. Selected interim and annual reports to the public, as well as required reports to regulatory bodies are reviewed to demonstrate a variety of current practices. Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

586 The Role of the Chief Financial Executive. Recent years have seen remarkable expansion of the financial executive's role in almost all organizations. No longer is this person's job essentially that of a chief accountant. Today the chief financial executive is deeply involved in the strategic aspects of management and is constantly called upon for data, analysis, and advice by all levels of management. This course is therefore designed to assist students in understanding and preparing for this role as well as the roles of the treasurer and controller. Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

587 Accounting Information and Capital Markets. An introduction to financial statement analysis, capital market theory, and the applications of both to the interpretation of accounting information and to financial reporting policy. Emphasis is placed on empirical research relating accounting information and capital markets. Offered Winter. Prerequisite: Acc 509 or 543A or equiv.

588 Management Consulting in the Accounting Profession. This course provides an overview of the scope and practice of management consulting and management advisory services (MAS) in the accounting profession. The process of management consulting is examined including problem identification, proposal development, fact finding, solution analysis, and implementation of recommendations. Case studies will be used in the course to demonstrate the process of management consulting in various areas. The course reviews the professional standards and ethics of management consulting practice. In addition, the course includes the marketing and engagement management aspects of management consulting. Offered: variably. Prerequisite: Completion of Phase 1 or equiv.
591T **Tax Exempt Organizations.** Tax treatment of public charities and private foundations. The way exempt status is secured and retained, qualified exemptions, unrelated business income, the loss of exemption, prohibited transactions, deductibility of contributions, and required reporting and auditing. Offered every other year; next offered Autumn, 1990. *Prerequisite: Completion of Phase I, Acc. 591A and Acc. 598T or equiv.*

598T **Seminar on Current Problems in Taxation.** Covers recent significant developments in the future of legislation, regulations, administrative rulings and case law on federal income, estate and gift taxation. Emphasis is placed on specific tax planning in light of these current developments. Topics are discussed against background of leading Supreme Court cases. Recommended as final tax course in M.S.T. Program. Required course for all candidates for Master of Science in Taxation Degree. Offered Autumn, Winter, Spring. *Prerequisite: Acc. 560T, Acc. 561T, Acc. 566T and Acc. 571T.*

599 **Graduate Seminar in Management Accounting.** Capstone seminar for M.B.A. students with a concentration in Management Accounting. Attention is directed to the multidimensional character of Management Accounting. Students learn to exercise judgment in the solution of accounting related problems by drawing upon their integrated and comprehensive body of accounting and related knowledge. This seminar involves extensive reading and research in the various data bases and literature of accounting and related disciplines as well as the preparation, presentation and critique of formal reports and papers. Offered Spring. *Prerequisite: Acc. 501, 502, 503 or equiv.*

610 **Accounting Information Systems.** Accountants must be able to use accounting information systems in their daily activities. They must also understand how these systems are designed, implemented and operated in order to participate in their design and to audit systems once they are in operation. This course is designed to provide the necessary background for accountants to understand and interface with various types of accounting information systems. Topics to be discussed include internal control systems concepts and techniques, data processing concepts and accounting procedures and controls. Students will gain hands-on experience on microcomputers. (Enrollment is limited to students in the M.Acc program.) Offered Winter. *Prerequisite: Acc. 130 or equiv.*

620 **Advanced Auditing Theory.** Advanced study of auditing especially as it relates to the audit of computer-based systems and the application of statistical methods in auditing. Coverage in the concepts and literature will include the study and evaluation of internal control in computer-based systems, the application of statistical methods to tests of compliance and substantive tests, and the use of computerized software packages in the audit process. An intensive review of current authoritative literature in auditing is also provided. (Enrollment is limited to students in the M.Acc program.) Offered Autumn. *Prerequisite: Acc. 372 or 547A*

**NOTE:** The letter "T" denotes M.S.T. courses.
630 **Budgeting, Financial Planning and Control.** The study of quantitative, organizational, behavioral aspects of budgeting for management planning and control. Topics include strategic planning, long-range planning, budgeting, cost analysis, capital budgeting, transfer pricing and divisional performance measurement. Exposure given to special applications in non-profit organizations. Emphasis is placed on the use of accounting information for effective planning and control. (Enrollment is limited to students in the M.Acc, M.S.A. or P.M.S.A. programs or permission of instructor.) Offered Winter. Prerequisite: Phase I or equiv. and Acc. 303 or Acc. 544A.

640 **Accounting Theory and Policy Formulation.** A study of the process by which accounting policies are formulated. The students are asked to make critical evaluations of basic issues such as income determination and current issues such as FASB agenda items in light of their theoretical, empirical, practical and political aspects. Students are expected to demonstrate an ability to use the accounting research literature. (Enrollment is limited to students in the M.Acc., M.S.A., or P.M.S.A. programs.) Offered Spring. Prerequisite: Acc. 544A or equiv. and fifth-year student.

650 **Communication in an Accounting Environment.** This course focuses on the impact of oral and written communication on the job of the accountant. Cases from public and private accounting practice form the basis for a step-by-step approach to the identification and understanding of the communication aspects of the accountant's management responsibilities. (Enrollment is limited to students in the M.Acc. program.) Offered Spring. Prerequisite: Graduate Standing.

652 **Management of an Accounting Environment.** This course focuses on the development of management skills considered necessary for the successful transfer of technical accounting knowledge into practice. Cases from public and private accounting will be used to raise level of awareness and understanding of management situations facing the accountant. (Enrollment is limited to students in the M.Acc., M.S.A. or P.M.S.A. programs or permission of instructor.) Offered Autumn. Prerequisite: Acc. 540

690 **Graduate Internship.** Technical knowledge acquired in the classroom is applied in an actual business environment through varied assignments under supervision in industry, government, or public accounting. (Enrollment is limited to students in the M.Acc. program.) Offered variably. Prerequisite: Permission.

798 **Special Topics.** Content and format of this course are variable. An in-depth study of current issues in accountancy. Subject matter will be indicated in class schedule. Offered variably. Prerequisite: As indicated in class schedule.

799 **Independent Study.** Available for graduate students of demonstrated capability for intensive independent work in accountancy. Prerequisite: Written permission of supervising faculty member, Director of School of Accounting, and Director of Graduate School of Business required prior to registration.
MANAGEMENT INFORMATION SYSTEMS

The School of Accountancy offers the following graduate courses in Management Information Systems:

MIS 670 Data Processing Concepts. Going beyond the basic conceptual considerations, this course will consider in greater depth a variety of topics in the areas of computer hardware, software, and systems. Among the topics discussed will be types of computers, organization and functions of the central processing unit, data representation, input/output and storage media and devices, files, file organization, and data base concepts, operating systems, multiprogramming, virtual storage, data communications, advanced systems, management information systems and decision support systems, and other selected topics. Offered Autumn, Summer. Prerequisite: GSB 500 or equiv. or permission.

MIS 671 Organizing Data for Business Information Systems. Proper data structure is a key element in successful business data processing and information systems design and operation. This course focuses on techniques for structuring, accessing, and processing data including such topics as: sorting, multi-dimensional tables, sequential, indexed, and direct access data organization, data base concepts, and other approaches to data organization. Emphasis will be on business applications with data processing illustrated through extensive programming in the COBOL programming language. Offered Winter. Prerequisite: MIS 670 and GSB 530 or equiv. or permission.

MIS 672 Advanced Data Processing Topics. Hardware, software, and behavioral aspects of data processing systems are examined individually and in their interactions. Recent developments in technology and application are discussed. Topics considered include improved programming technologies, structured techniques, and related topics: distributed data processing, online real-time systems, time-sharing systems, the electronic office, teleprocessing and data networks, decision support systems, applications in industry and society, data processing and system controls, security, accuracy, and privacy in computer systems, the people problem, and other selected topics. Offered Autumn. Prerequisite: Completion of Phase I and MIS 670 or equiv.

MIS 673 Database Systems. An introduction to database concepts and working details from the point of view of an information systems analyst who works more closely with management than with the computer facility. Topics include a comparison of file structure and database structure, the advantages of database structure, simple retrieval of data and complex database queries, the control of potential anomalies peculiar to databases, and database conceptual design. Laboratory exercises include the use of a relational database management system. Offered Winter, Summer. Prerequisite: MIS 671 and MIS 672 or equiv. or permission.

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MIS 674 Systems Analysis and Design: Concepts, Tools and Techniques. This course focuses on the phases involved in the systems life cycle and the basic techniques used in each of these phases. The scope of coverage is broad as the concepts of systems analysis and design are applicable to both manual and computer systems. This course includes organizing and controlling the systems study, feasibility studies, fact gathering, systems design, and implementation, preparation and presentation of reports, records management and other topics. Practical exercises and/or cases will give the student an opportunity to apply these techniques to realistic problems. Offered Autumn, Winter, Summer. Prerequisite: Completion of Phase I.

MIS 675 Advanced Systems Techniques. This course assumes a familiarity with basic systems techniques and tools such as data gathering, recording, and analysis, flow charting, decision tables, system implementation, etc. Topics to be covered include systems concepts and philosophy, advanced tools of systems analysis and design, the human element in systems and user computing, and the like. Offered Winter. Prerequisite: MIS 676 or equiv. or permission.

MIS 676 Management Information Systems: Planning, Design and Implementation. Information to be useful, must be timely, relevant, accurate and delivered at a reasonable cost. All too often, management is required to extract pertinent information from masses of raw data. This course will establish a framework to determine information needs of management and how to satisfy them. A systems approach is used to develop the various information subsystems in the organization and their integration into a management information system (MIS). Topics covered include MIS concepts, planning, design and implementation; theoretical and practical tools of MIS design are discussed using cases or problems to reinforce the students' understanding. Offered Autumn, Spring. Prerequisite: MIS 671 and MIS 674 or equiv.

MIS 677 Information Systems Project Management. Projects are often late, over-budget, technically infeasible, operationally infeasible, and in some cases never finished. One of the roots of this problem has been the lack of experienced management. What is needed are appropriate managerial procedures of planning, scheduling and control that are responsive to the needs of the environment. This course will define the essential components of good project management. Although the emphasis will be on management of systems and data processing projects, the concepts and techniques presented will be general enough to be of value to those involved with the design and implementation of any project. Offered Winter, Summer. Prerequisite: MIS 674 or equiv. or permission.

MIS 678 Problems in Systems Design and Management. Problems in systems design, analysis, implementation, and management are presented, discussed and analyzed. The emphasis in this course is on developing an analytical ability for dealing with systems problems and a professional capability in planning and managing systems. Offered Spring. Prerequisite: MIS 676 or equiv. or permission.
MIS 679  **Graduate Seminar in Information Systems.** Formal aspects of the course will provide a framework for integrating the various areas and disciplines studied in other courses. Readings, classroom discussion and group participation will be required of all students. The student will be required to work on a major systems related project which will be presented and evaluated in group sessions. This project normally requires more than one quarter to complete. Offered Autumn, Winter. **Prerequisite: Permission.**

MIS 683  **Information Processing Management.** This course is designed to prepare graduate students to assume management positions within IS or end-user departments. It deals with management of information systems (IS) including integrating IS with organization strategy and structure, location and organization of IS, and management of end-user computing, the systems development process, operations, databases and telecommunications. Students will develop and practice skills in identifying the relevance of technological innovations to business problems, communicating findings to management, evaluating the work of others and providing feedback, and using and evaluating computer-based management tools and techniques (Cross-listed with CSC 483.) Offered every other year; next offered 1990/91. **Prerequisite: MIS 676 or equiv.**

MIS 684  **Computers in Society.** The computer has had a profound effect on individuals, organizations, and society as a whole. Its effects have been both positive and negative. Computer-based systems are currently implemented in virtually every field of endeavor and in the future will in all likelihood have an even greater impact than they have until now. Developments within the field have occurred very rapidly over a relatively short period of time so that we must now consider the implications of this revolution on the individual, organizations, and society as a whole. This course will examine the historical perspective, the computer industry, implications for the individual, effects on organizational practice, privacy and the quality of life, professionalism and ethics, and future trends. Offered every other year; next offered 1989/90. **Prerequisite: MIS 670 or equiv.**

MIS 685  **Security, Accuracy, and Privacy in Computer Systems.** Management decisions are increasingly being made on the basis of information provided by the data processing system rather than on the basis of experience and intuition alone. In order for this information to be reliable, it must be accurate and its integrity must be maintained. Data and records are vital assets to an enterprise and therefore must be guarded against unauthorized access and manipulation just as other more tangible assets are guarded. Just as data and records are important to an enterprise and therefore must be accurate and secure, so are an individual's data and records important to him/her. Therefore, the issues of privacy—who is authorized to examine an individual's records—and accuracy, the completeness and correctness of the records—are critical. The three subjects are related in their technical solutions and hence should be considered together in the planning of computer installations. Offered variably. **Prerequisite: MIS 676 or equiv.**
MIS 686 Introduction to Telecommunications Management. This is a nontechnical introductory course intended to familiarize the student with the field of telecommunications. It will cover the basic technologies employed in voice and data communication systems and their business applications. The structure, regulation and history of the telecommunications industry will be discussed as well. This course is intended to be useful to persons without previous training in telecommunications. However, professionals who already have specific knowledge in a particular aspect of telecommunications should find this course valuable in broadening their knowledge of the field. Offered Autumn. Prerequisite: MIS 670 or 672 or equiv.

MIS 689 Decision Support Systems and Expert Systems. A seminar on the planning, design and implementation of decision support systems (DSS) and expert systems (ES). The emphasis of the course is on developing and building decision systems. Consideration will also be given to EndUser computing and the evaluation and selection of DSS generators and ES skills. Students will gain hands-on experience in using DSS generators such as IFPS, prototyping languages such as Focus, and expert system skills. The course will include readings, a research paper and presentations. Offered Variably. Prerequisite: MIS 670 or equiv or permission.

MIS 798 Special Topics. Content and format of this course are variable. An in-depth study of current issues in management information systems. Subject matter will be indicated in class schedule. Offered Variably. Prerequisite: As indicated in class schedule.

MIS 799 Independent Study. Available for graduate students of demonstrated capability for intensive independent work in management information systems. Prerequisite: Written permission of supervising faculty member, Director of Systems Courses and Programs, and Director of Graduate School of Business required prior to registration.
BUSINESS ECONOMICS

The degree of Master of Business Administration with a concentration in Business Economics is aimed at training the student to be an astute observer of business and the economy, and through objective analysis, help the firm to adapt to the ever-changing economic environment. Most medium and large size firms hire business economists, including firms in areas such as manufacturing, communications, banking, insurance, retailing, finance and investment, transportation, utilities, and consulting. In addition, positions in various departments of federal, state, and local governments are available. Business economists commonly prepare and interpret forecasts for the firm, involving them in decisions on optimal pricing, sales, and advertising; marketing policies; purchasing; industrial relations; and investment and portfolio decisions. Further, the business economist often relates the domestic economic outlook to the firm's regional business and its market for money and credit, and advises on the effect of international economic and monetary developments on business operations. Job mobility can be high, with business economists moving among business firms, government, and with proper training, academic institutions.

According to the National Association of Business Economists, business economists are generalists rather than specialists, though indeed, there are outstanding exceptions. The Association, and the Economics Department, recommend a broad knowledge of theory, data, institutions, and quantitative techniques. But, again, though mathematics and statistics have become increasingly vital, the ability to communicate is perhaps more important for the majority of business economists. Faculty advisors can provide information on duties performed and the relevant courses within the constraints of the MBA curriculum.
Minimum requirements for a concentration in BUSINESS ECONOMICS for the M.B.A. degree are: Completion of four 500-level Economics courses to be approved by the Program Administrator, Dr. Margaret Oppenheimer. CSB 520 is highly recommended as an elective.

A student concentrating in BUSINESS ECONOMICS may orient his or her program toward business in general or toward a role as a business manager.

**General Business Economics**

The student interested in a business career without a definite economics speciality in mind is advised to select those economics courses (four) that are broad in scope. Economics 514: Labor Economics and Labor Relations would be an example of such a course in order to establish a sound foundation upon which to build either an area of interest or exploration. Economics 505 and 506 are recommended. This solid background in theory is essential to the modern executive who has become increasingly cognizant of the importance of the economic thinking of the past. Consultation with the Economics Department Faculty is recommended to work out the best elective program.

**Managerial Economics**

An M.B.A. student may wish to specialize in managerial economics, that is, the application of economic theory and methodology to business administrative practice. The graduate would be able to use the tools and techniques of economic analysis to understand and resolve business problems. Four of the following eight courses are recommended for a career orientation in managerial economics: Economics 509 - Business Conditions Analysis, Economics 511 - Business and Economics Forecasting, Economics 512 - Applied Time Series and Forecasting, Economics 514 - Industrial Organization, Economics 515 - Business and Public Policy, Economics 516 - Economics of Taxation, Economics 513 - Labor Economics, and Labor Relations, and Economics 557 - International Economics.

**INTERNATIONAL BUSINESS** - see this section, page 34

**QUANTITATIVE METHODS** - see this section, page 56

505 **Advanced Microeconomics.** An advanced course in microeconomic theory. This course will present a systematic and rigorous analysis of price determination and the allocation of specific resources to particular uses. Offered Winter. Prerequisite: completion of Phase I and CSB 512 or equiv.

506 **Advanced Macroeconomics.** An advanced course in macroeconomic theory that examines the determination of income, employment, and prices, and their interrelations. Covers traditional Keynesian as well as alternative models of output, consumption, investment, money demand, inflation, and unemployment. The dynamic character of income determination is emphasized, along with the effects of government policy, economic institutions, and social goals. Offered Autumn. Prerequisite: completion of Phase I, CSB 512 and Econ. 509 or equiv.
509 Business Conditions Analysis. Examines the economists measurement, analysis, and forecasts of the economy and relates various macroeconomic topics to the needs of the business sector. Topics include: economic methodology and method: GNP, measures of macroeconomic activity; models of output, consumption, investment, and government behavior; business cycles; macroeconomic forecasting; and international economic relations. Offered Winter, Summer. Prerequisite: Completion of Phase 1 or equiv.

511 Business and Economic Forecasting. This course surveys a number of quantitative techniques commonly used to forecast business and economic variables. Emphasis will be on the techniques, their relative strengths and weaknesses, and real-world economic applications. Topics include smoothing techniques, regression and econometric analysis, and Box-Jenkins time series. Offered Spring. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.

512 Applied Time Series and Forecasting. Theory and computer implementation of the Box-Jenkins techniques with emphasis on forecasting business and industrial activity. Offered Winter. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.

514 Industrial Organization. This course is concerned with how the market system directs production decisions under varying deviations from the competitive environment. The links between market structure, conduct, and performance are examined. Topics include determinants of market structure, various theories of imperfect competition, price discrimination, predatory pricing, and antitrust policy. Offered Spring. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.

515 Business and Public Policy. Critical examination of the role of government in business. A study of the historical relationship of government and business and the options open to the American people of different kinds of social control systems. Offered Summer. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.

516 Economics of Taxation. The economic effects of taxation and the objectives of taxation, which include the collection of revenue for public sector projects, macroeconomic stabilization and growth, and the attainment of social goals. The course views taxation as a pervading market distortion with corresponding effect on prices and resource allocation. The course also addresses the issue of the optimal tax system in light of the diverse goals of taxation. Offered variabley. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.

518 Labor Economics and Labor Relations. A study of the American labor force: measurement, characteristics, and behavior under changing income, employment, and technology. An examination of recent labor market developments provides the basis for a critical analysis and appraisal of contemporary labor theory. Topics include changes in the labor force, unemployment, wage determination, the minimum wage, internal labor markets, productivity, discrimination, unions and collective bargaining. (Cross-listed with Ngt. 518) Offered Winter. Prerequisite: Completion of Phase 1 and GSB 512 or equiv.)
History of Economic Thought. A study of the evolution of the science of economics. Emphasis is on the important contributions made to the field by the great thinkers, starting with the Physiocrats and extending to the work of contemporary institutional and Post-Keynesian economists. Offered Autumn. Prerequisite: Completion of Phase I and GSB 512 or equiv.

Comparative Economic Systems. A study of the theory and practice of modern economic systems. Attention will be devoted to the United States, the Soviet Union, and other major nations. Offered Autumn of alternate years. Prerequisite: Completion of Phase I and GSB 512 or equiv.

Regional and Urban Economics. This course investigates the spatial character of an economic system. The first part of the course is concerned with theories in regional economics, including business and household location theory, urbanization, and regional development. The latter part of the course deals with urban economics, a specialized area concerned with the economic forces behind many urban problems. Topics include the economics of housing, transportation, poverty, crime, and urban public finance. Offered variably. Prerequisite: Completion of Phase I and GSB 512 or equiv.

The Global Economy. This course is designed to be an introduction to the economic environment in which international business operates. With the increasing interdependence of the global economy and the growing role of multinational enterprise, an understanding of international economic integration is vital to decision makers. The material covered will include economic, financial, and cultural aspects of international business. Offered Autumn. Prerequisite: Completion GSB 505 or permission.

International Economics. Modern theories of international trade: Classical theory of comparative advantage, factor proportions theory, factor price equalization, application to international trade of welfare economics, including regional economic integration, commercial policy and tariff problems. Offered Autumn. Prerequisite: Completion of Phase I and GSB 512 or equiv.

Development of the American Economy. This course describes the economic development of the United States by tracing the effects of the significant innovations. Consideration is divided among the various American metropolitan economies. Offered variably. Prerequisite: Completion of Phase I and GSB 512 or equiv.

Economics of Underdeveloped Countries. An introduction to the analytic skills of the economist applied to the special problems of underdeveloped countries. The following topics are covered: the economic theory of development; development policy; and decision making in the developing world. In addition several case studies are examined. Offered variably. Prerequisite: Completion of Phase I and GSB 512 or equiv.

Econometric Methods. The fundamental problems in the application of statistical procedures to econometric estimation will be studied: multicollinearity, identification, serial correlation, and non-homogeneity of error variance. In addition, more sophisticated estimation techniques will be studied, e.g., reduced form and multiple-stage regression techniques. Offered Spring. Prerequisite: Completion of Phase I or equiv. and Econ. 375 or GSB 520 and GSB 512 or equiv.
ECO

580  **Topics in Quantitative Economics.** This course is a seminar on the applications of quantitative and mathematical economics. Exact topics will be chosen by the instructor. Offered variably. Prerequisite: Completion of Phase I and GSB 512 or equiv.

581  **Mathematics for Economics and Business II.** This course is a continuation of Economics 580. Areas of concentration will include: a survey of the relevant concepts of both differential and integral calculus, differential equations, difference equations, and the mathematics of statistical inference. Offered Winter. Prerequisite: Completion of Phase I and GSB 512 or equiv; and Econ. 380.

599  **Seminar in Economics.** The course content depends upon the choice of the instructor. In recent years, the material chosen was literature explaining the nature of the science of economics, including the competing paradigms of the Austrian School, Schumpeter, Solidarism, Marx, Weber, Institutionatism, and Post-Keynesianism. Offered Spring. Prerequisite: Completion of Phase I and GSB 512 or equiv.

798  **Special Topics.** Content and format of this course are variable. An in-depth study of current issues in economics. Subject matter will be indicated in class schedule. Offered variably. Prerequisite: As indicated in class schedule.

799  **Independent Study.** Available to graduate students of demonstrated capability for intensive independent work in economics. Prerequisite: Written permission of supervising faculty member, Chairman, and Director of the Graduate School of Business is required prior to registration.

**INTERNATIONAL BUSINESS**

The modern U.S. economy is becoming increasingly interdependent with the economies of the countries in the rest of the world. The internationalization of U.S. economy creates problems and opportunities for American business. The M.B.A. degree with a concentration in International Business is designed for students seeking careers as international business executives. The international manager needs to acquire functional skills appropriate to the international environment. The M.B.A. program in International Business integrates the international aspects of the various functional areas of business (accounting, economics, finance, management, and marketing). The Program Administrator is Dr. Bala Batavia.

Minimum Requirements for an International Business Concentration are a total of five courses as follows:

and (i) Completion of four courses listed in Category I and Category II below. At least two of the four courses must be from Category I.
Category I

ACC 557  ACC 557 International Accounting Issues and Problems of Multinational Enterprises
ECO 557  International Economics
FIN 557  International Finance
MGT 557  International Management
MKT 557  International Marketing

Category II

ACC 556  International Accounting, Auditing, and Taxation Practices
ECO 798  Special Topics (when topic pertains to international business)
GSB 556  Geo-Political and Cultural Characteristics of U.S. Trading Partners
GSB 557  European Seminar: Comparative Business Practice I
GSB 558  European Seminar: Comparative Business Practice II
GSB 798  Special Topics (when topic pertains to international business)
MGT 558  Area Studies in International Management

and (2) ECO 556 which is required of all International Business concentrators. This course may be substituted (only) by students in the international Business program for GSB 503, which is a part of Phase I requirements. Students waived out of GSB 503 are still required to take ECO 556 as a requirement for this program. It is recommended that International Business concentrators take ECO 556 prior to any concentration courses in Category I and II.

For a description of the courses, see the listing under the respective departments.

Students interested in taking GSB 557 and GSB 558 as their Category II selections should contact the European Seminar Director, Dr. Animesh Ghoshal, early in the Autumn Quarter. The seminar is conducted in the First Summer Session. The purpose of this seminar is to provide the students with an on-site introduction to the cultural, business and economic environment, and business practices in certain West European countries. Countries visited during recent years include Belgium, England, France and the Netherlands. Selected students participate in seminars arranged with senior management and other personnel of a variety of organizations, including U.S. and European multinational firms and their subsidiaries, European private and public enterprises, and European educational institutions. Students interested in GSB 798 Special Topics: French Economy and Business, which is held in France usually in early Spring, should contact the Seminar Director, Dr. Bala Batavia, during the Autumn Quarter.

Students concentrating in International Business are strongly encouraged to acquire a foreign language. The modern language department at DePaul University offers courses in French, German, Italian, Russian, and Spanish at different levels. Language training helps the student develop an increasing awareness of the cultural factors and interpersonal relationships in international business. Language courses, however, do not count toward fulfilling any degree requirements for graduate business programs.
ECO

QUANTITATIVE METHODS

The M.B.A. graduate program with a concentration in Quantitative Methods is offered jointly by the departments of Economics and Management and is intended to develop in the student competency in skills of quantitative analysis used in managerial decision making. The focus is on complex, predictive models that can be applied to decisions regarding revenue and sales forecasting, production, market share, investments, inventory control, and to analyzing and forecasting general macroeconomic conditions. Further, it can be the job of quantitative specialists to chart and monitor the corporation's performance and results. The explosion of corporate and economic information has made such analysis paramount, and careers at this level of decision making rewarding.

Students joining this program are expected to have good mathematical skills. A personal interview is required with the Program Administrator, Dr. Bala Batavia, and all course selections for the concentration must be approved by him.

Minimum requirements for a concentration in QUANTITATIVE METHODS for the M.B.A. degree are: CSE 320, Economics 576, Management 580 plus three additional courses chosen from Economics 505, 511, 512, 580, and Management 510, 581, 582, 598, for a total of six courses for the concentration. Appropriate substitutions may be made by the Program Administrator.
Finance Department
Finance
Department

Geoffrey A. Hirt, Department Chair

FINANCE

The graduate program in Finance is designed to bring into sharp focus problems in both the public and private sectors of the economy. This program aims to enlarge the student's concepts of such problems, and in particular is designed to stress the pervasiveness of the effects of decisions in these fields. Because of these widespread influences, the program is directed toward an integration of the effects, both direct and indirect, of the financial impact upon all areas of economic activity.

The department faculty includes experts in the various areas of finance, whose publications appear in numerous professional journals. Through the generosity of the Dr. William M. Scholl Foundation, an endowed chair has been established for a nationally recognized scholar in the field of financial management. Professor Keith Howe, Ph.D., has been holder of the Scholl Chair since 1986.

Minimum requirements for a finance concentration are: Completion of four 500-level finance courses.

Career orientations in finance include: Corporate Financial Management, Investment Management, Banking and Financial Institutions, and Real Estate. The Finance Department offers a variety of courses which enable the student to develop a flexible program in the many facets of finance or to concentrate more specifically in special areas. The following suggestions for a specific career orientation should prove helpful in program planning and course selections. However, in each case the student should check course selections against his or her official program evaluation to insure that all requirements for the program will be met.

Corporate Financial Management: Students with a desire to develop their theoretical foundation and analytical capabilities for an expected career in corporate financial management should take Finance 551 and 553. They might also consider a tax course, if they have had none, such as Accounting 584 (which would be an elective) and an investment analysis course such as Finance 523 and a futures markets course, Finance 529.
**Investment Management:** Students interested in a possible career in the investment field should take Finance 523 and 525 and might consider Finance 527 and 529.

**Banking and Financial Institutions:** Students who wish to have a strong monetary foundation as a basis for career development in banking and other financial institutions or in government should take Finance 510, 511, 512 and 551 and should also consider Finance 513 if they have room in their program for an additional elective beyond those which have to be outside their area of concentration.

**Real Estate:** An orientation in real estate provides an opportunity to study real estate investment and urban development from both the public and private enterprise perspectives. Students should complete Finance 530—Real Estate Investment I, Analysis, and Finance 531—Real Estate Finance and select two additional finance courses from among the following: Finance 533—Property Valuation, Finance 535—Real Estate Investment II: Strategy, Finance 596—Real Estate Seminar. Also to be considered are Accounting 564T—Transactions in Property and Economics 550—Regional and Urban Economics as electives in the interested student's program.

Students are urged to consult with Finance faculty for recommendations on both Finance selections and choice of electives.

**The Finance Department will attempt to offer** Finance 510, 523, 525, 530 and 531 each Quarter, except Summer. Other Finance courses will be offered variably.

**510 Advanced Monetary Theory and Policy.** This course is designed to provide the analytical tools for a critical examination of monetary and fiscal policies together with their impact on economic activity in general, and on the commercial banking system in particular. Problems involving interest rates, the value of money, and qualitative portfolio changes are examined in detail in the light of current theoretical contributions. Prerequisite: Completion of Phase I or equiv.

**511 Contemporary Issues in Monetary and Fiscal Policy.** Contemporary issues in the areas of fiscal, monetary, and debt management, and the problems of conflicting goals are critically analyzed through intensive readings and discussions of technical journal articles and individual research papers. Prerequisite: Fin. 510 or equiv.

**512 Commercial Banking.** The purpose of the course is to analyze the role of commercial banks in the financial system. The present structure of banking will be studied with particular emphasis on the relationship between commercial banking practices and social stabilization goals. Issues in bank asset management, liability management, and capital adequacy will be presented. Finally, new dimensions in banking will be considered. Prerequisite: Completion of Phase I or equiv.

**513 Money and Capital Markets.** Money and capital markets; economic forces that influence them; appropriate strategies of financial managers in participating in these markets. Prerequisite: Completion of Phase I or equiv.
FIN

523 Investment Analysis. This course presents a critical study of the techniques of financial statement analysis and security valuation analysis. Investment analysis is considered an integral part of the economic and financial decision. Prerequisite: Completion of Phase I and GSB 516 or equivalent.

525 Portfolio Management. (Formerly Finance 520.) Analysis of contemporary theories and techniques available to achieve superior selection and management of securities portfolios. Review and evaluation of significant literature. Emphasizes the role of the modern portfolio manager in achieving diversification and in meeting the goals of the investor. Prerequisite: Fin. 523 or equivalent.

527 Options. Development and application of the theory of option pricing. Emphasis is placed on the valuation of stock options using current valuation models. Current literature, dealing with significant empirical studies of option pricing, is reviewed and evaluated. Prerequisite: Fin. 523.

529 Financial Futures. Financial futures offer a market participant a means for hedging against interest rate risk. As interest rate volatility has increased in recent years, the financial futures markets have become a major factor in the financial market spectrum. This course develops a fundamental understanding of the futures market, including (1) the mechanics of the market, (2) hedging applications, (3) theory of futures market pricing, and (4) the relation between interest rate movements in the underlying market and the associated futures market. Prerequisite: Fin. 523.

530 Real Estate Investment I. Analysis. Analysis of real estate investment opportunities and the characteristics that distinguish them from other assets. Emphasis is upon forecasting cash flows and estimating risk. Case analysis is an integral part of the course technique. Prerequisite: Completion of Phase I and GSB 516 or equivalent.

531 Real Estate Finance. Analysis of private and public institutions involved in real estate finance. A critical study of institutional arrangements facilitating real estate investment and development. Analysis of yields and risk in real estate mortgage lending. Prerequisite: Completion of Phase I or equivalent.

533 Property Valuation. Critical analysis of the appraisal process and its theoretical foundation. Analysis of techniques of valuation of income-producing properties. Exploration of both basic and innovative approaches to value analysis. Prerequisite: Completion of Phase I or equivalent.

535 Real Estate Investment II: Strategy. Analysis of alternative strategies available to real estate investors, and the implication for investment outcomes. Emphasizes after-tax cash flow consequences of investment decisions. Prerequisite: Finance 536 or equivalent and one Finance MBA course (FIN 523 is strongly recommended).

551 Problems in Corporate Financial Policy. Theoretical and practical tools in financial decision making are discussed using cases to reinforce the students' understanding. The major areas of concern are investment analysis as it relates to the risk and timing of cash flows, capital structure, and dividend policy. Prerequisite: Completion of Phase I and GSB 516 or equivalent, and one Finance MBA course (FIN 523 is strongly recommended).
Special Topics in Corporate Finance. The analytical methods and quantitative decision models applicable to special areas of corporate finance are examined and studied in this course. For example, these topics may include current asset management, convertible bonds, warrants, lease financing, mergers and consolidations, or other current financial issues. Prerequisite: Completion of Phase I and GSB 516 or equivalent, and one finance MBA course (FIN 523 is strongly recommended).

International Finance. Analysis of spot and forward foreign exchange markets, Eurodollar market, adjustment mechanism under fixed and floating exchange rates, policy mixes for external and internal balance, and the international monetary system. Prerequisite: Completion of Phase I or equivalent.

Risk Management. This course addresses the basic financial and statistical techniques which enhance risk management decision-making. The objective of this course is to develop a fundamental analytic framework and to apply it to issues of concern to corporate or investment risk managers. Prerequisite: Completion of Phase I and GSB 516 or equivalent, and one finance MBA course (FIN 523 is strongly recommended).

Financing New Ventures. This course will focus on identifying, examining, and evaluating various sources of seed and growth capital. Emphasis will be on legal, financial, and tax issues related to capital formation as well as specific problems experienced by small to medium-sized firms undergoing rapid growth. Topics discussed will include financing startups, financial planning and strategy, going public, selling out, and bankruptcy. A formal proposal for capital formation developed through field research will be required of each student. This course is designed for students in the Entrepreneurship Program offered by the Management Department. Offered Spring. Prerequisite: Completion of Phase I and GSB 516 or equivalent, and MGT 570.

Investment Seminar. Construction and management of an actual portfolio fund in a nine-month seminar setting. Registration requires approval of the seminar director. Offered variably. Prerequisite: Permission.

Real Estate Seminar. The objectives of this course are to identify current, researchable topics pertaining to real estate and for students to perform independent research on selected topics approved by the seminar professor. Meetings will be held on both a class and on an individual basis. Students will present both their proposals and the results of their preliminary investigations in class. A seminar research paper is required of each student. Prerequisite: Finance 530 and 531 or permission.

Research Seminar in Finance. The objectives of this seminar will be to review authoritative current contributions in the finance field, identify and evaluate data sources and pursue an original investigation on a topic approved by the seminar professor. Students shall be near the end of the MBA Program before enrolling in this course. Prerequisite: Three or more 500 level finance courses.

Special Topics. Content and format of this course are variable. An indepth study of current issues in finance. Subject matter will be indicated in class schedule. Offered variably. Prerequisite: As indicated in class schedule.

Independent Study. Available to graduate students of demonstrated capability for intensive independent work in finance. Prerequisite: Written permission of supervising faculty member. Chairman and Director of the Graduate School of Business is required prior to registration.
Management Department
The Management Department at DePaul University is really three departments in one, both in terms of course offerings and in terms of accreditation standards. The program offerings in the Management department provide many more options to those desiring a concentration in Management than most M.B.A. programs in the country. The reason for this approach is to provide you, the student, with the greatest amount of flexibility in developing a career track that is right for you and meets the needs of the job market. We specialize in our number of career options so we can provide you with the cutting edge of technology instead of a generalized management preparation.

The three major areas in the department are Operations Management, Human Resource Management, and Entrepreneurship. We also have two highly specialized programs in Association Management and Quantitative Methods. Operations Management is designed for the individual that is targeting a career in managing an organization. Planning, organizing, and controlling the activities of an organization is the major thrust of preparation in the Operations concentration. We provide specific preparation for the management of service sector organizations, general design and management of operations in general, and an area in materials management.

The Human Resources Management concentration provides the student with three career options. For those interested more in managerial skills, the career track in Leadership and Organization Development is designed to enhance an individual's preparation for the human skills needed to succeed in a managerial position. For those interested more in the technical aspects of Human Resource Management, the two career tracks in labor relations or human resources specialist would be most appropriate.

The Entrepreneurship concentration is designed not only for those considering starting their own business, but for those in organizations that have a strong desire to develop the entrepreneurial spirit through forms of organization and ways of managing people.
Lastly, there are two specialized concentrations. Association Management is designed to prepare the student for a career in leadership in those organizations that are formed for the mutual benefit of other organizations. These organizations work toward lobbying, providing training and educational programs, as well as other benefit programs for its members. A final program is Quantitative Methods which is designed for those pursuing a career option in mathematical approaches to management problem solving. The Quantitative Methods Concentration is offered jointly by the departments of Economics and Management.

OPERATIONS MANAGEMENT

Operations Management is an area of study that focuses upon the internal operations of an organization. Students in Operations Management learn to plan for, design and manage highly productive systems, in a highly competitive environment. Productivity and operational efficiency are major concerns for all organizations and institutions. The concentration in Operations Management addresses itself to these concerns. Consequently students with a concentration in Operations Management are in high demand. Traditionally operations programs have emphasized manufacturing applications. However, the DePaul program also addresses itself to service and non-profit applications that require improvement in planning and control processes. The DePaul program also has a management orientation as it focuses on problem solving and decision making in operations at the management level. Finally, the program stresses operations as an integrated function rather than as a separate activity distinct from all other organizational efforts. There are three options under the Operations Management concentration. Minimum requirements for an Operations Management concentration are: Management 501 Operations Strategy Management 598 Seminar in Operations Management (this course should be taken last in the concentration sequence), plus any three courses chosen from one of the following area options.

The Service Sector Management area stresses service delivery systems and the management of an effective service organization. Students interested in this option should take three of the following courses: Management 345 Operations Management in the Service Sector; Management 308 Operations Auditing; Management 390 Management of Innovation and Technological Change; Management 798 Special Topics (when related to Service Sector Management); or Marketing 590 Marketing of Services, or other Management courses selected in consultation with Operations Management faculty.

The Design and Management of Operations area stresses a general approach to systems management in a comprehensive yet pragmatic fashion. Students interested in this option should take three of the following courses: Management 503 Managerial Decision Making; Management 306 Operations Process Design and Control Management 508 Operations Auditing; Management 510 Topics in Production and Operations Management; or Management 590 Management of Innovation and Technical Change.

The Materials Management area stresses optimal inventory, purchasing, and distribution decisions. Students interested in this option should take three of the following courses: Management 505 Production and Inventory Planning Control; Management 308 Operations Auditing; Management 510 Topics in Production and Operations Management; or Marketing 538 Channels of Distribution Management.

Students are urged to consult Management Operations faculty for recommendations on both Management selections and choice of electives. The Operations Management Program Administrator is Dr. Earl Young.
HUMAN RESOURCES MANAGEMENT

Specialists in Human Resource Management have been in great demand with the advent of comprehensive anti-discrimination legislation and increased employee rights in the workplace ranging from drug testing to at-will firings. In addition, training and development has taken on renewed importance as businesses realize the importance of customer service and satisfaction as a major component of the customer decision process. Further, organizations have become more aggressive with respect to labor-union relations. The DePaul Management concentration in Human Resources Management prepares a student to meet the technical demands of a Human Resources career. There are three options in the Human Resources Concentration. Minimum course requirements for a Human Resources Management concentration are: Management 512 Research Methods for Managerial Decision-Making (this course should be taken first, and takes the place of Management 591 which is no longer offered); plus any three courses from the following area options:

The Human Resources Specialist area stresses a functional approach to the management of human resources in an organization. Students interested in this option should take three of the following courses: Management 522 Human Resource Planning; Management 523 Recruitment and Selection; Management 525 Training and Career Development; or Management 526 Compensation Management.

The Labor Relations Specialist area focuses on labor law and the management of the collectively bargained agreement. Students with an interest in this area should take three of the following courses: Management 518 Labor Economics and Labor Relations; Management 520 Compensation Management; Management 560 Labor Relations Law and Governmental Policy; Management 561 Collective Bargaining; or Management 562 Grievance Settlement, Mediation and Arbitration.

The Leadership and Organization Development area focuses upon preparation for a Management training position in an organization. Students with an interest in this area should take three of the following courses: Business Law 508 Legal Aspects of Business; Total Perspective for the Executive; Management 503 Managerial Decision Making; Management 530 Leadership and Organization Dynamics; Management 531 Communication for Managers; Management 535 Organizational Development; or Management 590 Management of Innovation and Technological Change.

Students are urged to consult Management Human Resource faculty for recommendations on both Management selections and choice of electives. The Program Administrator for the Human Resource Management concentration is Dr. Nicholas I. Mathys.
ENTREPRENEURSHIP

Entrepreneurship has been given increasing emphasis in the economic, academic, and political arena. Small business has traditionally been recognized as the mainstay and backbone of the American economy, representing 97% of all business accounting for up to 82% of all new jobs in recent years and contributing 43% of the Gross National Product.

Entrepreneurs have been heralded in studies as the engines of economic growth. Foreign governments and domestic corporate giants have emulated their spirit and the jobs and profit it produces. Underlying economic trends have brought entrepreneurship to the foreground. Computer gave birth not only to a new industry, with hundreds of start-ups, but also revolutionized older industries, such as telecommunications.

A strong resurgence of these entrepreneurial undertakings has occurred recently with over 670,000 new start-ups each year.

The entrepreneurship concentration is characterized by its contemporary, integrative approach to management education. It is designed for the student who seeks to become an entrepreneur or who wants to work with entrepreneurs in a professional capacity, such as consultant, financial analyst, banker, or venture capitalist.

The three objectives of the Entrepreneurship concentration are: (a) to awaken the student's perception that career opportunities exist which allow one to be in control of one's own destiny, (b) to develop an integrated foundation which can be used to start, run and develop a business, and (c) to promote the realization that entrepreneurship is not an isolated topic, but a multidisciplinary field that is applicable in many areas of endeavor.

The Entrepreneurship concentration is an inter-disciplinary program combining Management and Finance courses. Minimum requirements for Entrepreneurship concentration are: Management 576 Entrepreneurship and New Venture Management; Management 521 Growth Strategies for the Emerging Enterprise; Finance 571 Financing New Ventures; plus one of the following: Management 572 Corporate Ventures and Entrepreneurship, Management 590 Management of innovation and Technological Change, or Management 798 Special Topics when topics relate to Entrepreneurship, such as Franchising, Family Business Enterprises or Successful Entrepreneurship Models. Students are urged to consult Management Entrepreneurship faculty for recommendations on both Management selections and choice of electives or the Entrepreneurship Program Administrator, Dr. Harold P. Welsh.
ASSOCIATION MANAGEMENT

Association Management is a rapidly expanding and evolving area in today's business environment. Concomitant with this growth are the ever-increasing demands of associations for executives and directors with advanced managerial training at the graduate level. The graduate course work in Association Management is geared specifically to meet these needs. The concentration is designed for students to understand the design, objectives, and roles of associations and to analyze their varied activities; to engage in handling specific association and industry-wide issues and problems using the concepts and methods of other disciplines; and to be knowledgeable about the impacts of governments, unions, and business upon association activities.

Minimum course requirements for a concentration in Association Management are:
Management 591 Introduction to Association Management, Management 592 Seminar in Association Management, Management 593 Contemporary Business Environment; plus three courses to be chosen from the following: Finance 523 Investment Analysis, Management 504 Operations Management in the Service Sector, Marketing 525 Market Research I, or Marketing 590 Marketing of Services.

In addition, those students who have not already taken or been waived from GSB 513 in Phase I will be directed to take Management 541 to fulfill this requirement. Students are urged to consult Association Management faculty for recommendations on both Management selections and choice of electives. The Program Administrator for the Association Management concentration is Dr. Owaiss Saeed.

QUANTITATIVE METHODS

See Economics Department section for this joint Management-Economics concentration.

MANAGEMENT COURSE OFFERINGS

501 Operations Strategy. This course examines operations management in both manufacturing and service organizations as an integral component in the strategic planning processes of the organization. Alternatively, the impact of corporate strategic plans on the design and management of operations within the firm are traced. The central role of operations as they impact on other major managerial areas are examined, especially marketing, finance, human resource development, and information systems. Case studies are emphasized. Offered Autumn. Spring. Prerequisite: Completion of Phase I or 507.

503 Managerial Decision Making. This course emphasizes the decisionmaking process from the perspective of first-line and middle managers in organizations. Most managers must meet organizational goals within budgeting constraints while dealing with a variety of behavioral issues. Many decisions faced by operations managers e.g., productivity improvement, must integrate system-related, financial, and behavioral issues in order to reach effective solutions. Offered Winter. Prerequisite: GSB 503 and 507.
Production and Inventory Planning and Control. This course emphasizes a systems approach to materials management theory and practice. Covers aggregate level production planning, master scheduling, material requirements planning, capacity planning, production activity control, and inventory planning and control. Integrates these planning and control systems with other major systems in the firm, especially in marketing, engineering, purchasing, manufacturing, and distribution. Offered Winter. Prerequisite: Mgt 501.

Operations Process Design and Control. A systematic approach to the analysis, design, and control of an operations process. Topics selected are applicable to the manufacturing and/or service industries, including process analysis and design, facilities planning, location and layout, quality management, manufacturing/process resource planning, technology evaluation and selection, and productivity improvement programs. In this course, each student designs a selected component of an operating system or an operations management planning and control systems for an existing operation. Offered Winter. Prerequisite: Mgt 501 and two additional courses in operations management.

Operations Auditing. This course focuses on the design and development of the approach and instruments necessary for conducting operations audits and reporting findings to management. The purpose of these audits is to analyze and evaluate the performance measures of any organizational unit or operating function. The manager uses this information to attain organizational goals such as effectiveness, efficiency, productivity, and compliance with contracts, laws, or policies and procedures. Offered Winter. Prerequisite: Mgt 501.

Topics in Production and Operations Management. This course offers a treatment of several specific production and operations management functional areas including: statistical process control, total quality control, just in time, enhanced scheduling technologies, and productivity measurement. The interrelationship of these topics is identified and applications are discussed in various manufacturing and service environments. Offered Autumn. Prerequisite: Completion of Phase I or open.

Research Methods for Managerial Decision Making. This course integrates the student's knowledge of his/her major subject with research techniques designed to augment and enhance managerial decision making. As such the students will have developed a new tool for managerial decision making different from the tool required in his/her experience or in other courses. Practical techniques dealing with problem formulations, accessing relevant literature, designing experimental and observational research studies, analyzing information, interpreting and presenting research results will be covered. Offered Autumn. Prerequisite: GSB 502.

Labor Economics and Labor Relations. Cross-listed with Economics 518. For course description, see Economics 518.
Personnel Theory and Contemporary Practice. The general and special managerial functions of the personnel department administrator are examined. Particular emphasis is given to recent development and applications of personnel techniques. This course may not be taken by students who are concentrating in Human Resources Management. Offered Winter. Prerequisite: Completion of Phase 1 or equiv.

Growth Strategies for the Emerging Enterprise (formerly Management of Small Business). Alternative growth strategies for companies in the second stage of their life cycle are examined. After initial start-up, a unique set of problems and constraints confront the firm limiting its growth. Expansion of product lines and services, new market territories, professionalism of management, delegation of owner's authority, expansion of facilities and going public, are some issues that are covered. Proposed revisions are critically evaluated. A field study and research paper involving the proposed plans in a specific firm are required by each student. Offered Winter. Prerequisite: Completion of Phase 1 or equiv.

Human Resource Planning. Special emphasis is given to the systems, techniques, and programs required to plan for the future people requirements of an organization. The latest forecasting techniques, assessment programs, job analysis and legislation related to human resource planning are discussed. The integration of the human resource planning function with business planning is discussed. Offered Winter. Prerequisite: Completion of Phase I or equiv.

Recruitment and Selection. An advanced study of current recruitment and selection practices of organizations both public and private. Emphasis is placed on common tests that are used and an examination of these tests for applicability in specific situations. Legislation related to EEO and Affirmative Action programs are discussed. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv.

Training and Career Development. An intensive study of personnel training and development in contemporary organizations. Emphasis is placed upon the identification of training needs, program design, choice of training methods, and evaluation of results. Non-traditional approaches include organizational development programs and newer methods of behavior modification. Attention is given to special programs for the disadvantaged and hard-core unemployed; requirements of affirmative action programs and human resource accounting. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv.

Compensation Management. The major objective of this course is to provide an in-depth understanding of the theory and practice of compensation management. The focus will be on those theories and practices that enable the line manager to communicate corporate compensation policies to his subordinates. Minor attention will also be given to those aspects of compensation policies useful to the personnel department staff member. Internal and external factors that influence the kind of compensation system in the organization will also be covered. Offered Autumn, Spring. Prerequisite: Completion of Phase I or equiv.
Leadership and Organization Dynamics. The four major areas of individual behavior, small group behavior, informal and formal organization structure, and group dynamics will be related to leadership style and effectiveness. Emphasis will be placed on the relationship of these areas to the psychological needs of both leaders and followers that are affected by organizational membership. Leadership styles will be examined and the students will have the opportunity to evaluate their particular style of leadership through experiential exercises including assessment center techniques and small group experiences. Offered Autumn. Prerequisite: Completion of Phase 1 or equiv.

Communication for Managers. A seminar providing students the opportunity to develop an understanding of the complex process of communication and to prepare themselves to accomplish the written and oral communication tasks awaiting them as managers. Emphasis on the practical aspects of effective communication: organization of material, clarity of presentation, directness, and conciseness. Offered Winter. Prerequisite: Completion of Phase 1 or equiv.

Organizational Development. Techniques of organization design and development with emphasis on the methods of planned and controlled change of the organization to insure its survival in a changing external environment. The interdependent elements of people, structure, tasks, and technology will be examined and related to changes in problem solving and renewal processes of personnel in the organization. Various phases of the OD process, including changes in employees' attitudes, resistance to change, survey feedback, team building, sensitivity training, quality of work life, and intervention techniques will be explored. Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

Determinants of Public Policy. Examines the process of public policy making. Considers the context which limits the range of possible policy options, and details the structure of the process. Case studies of specific public policies are used to illustrate how the process works. Offered Winter. Prerequisite: Completion of Phase 1 or equivalent.

Operations Management in the Service Sector. This course provides an examination of operating activities in service industries. Emphasis is on the principles of design, operation, and control of service delivery systems. Lectures, cases, and assignments focus on such topics as, delivery system design, client interfaces, operations control, management and quality control. Offered Autumn, Spring. Prerequisite: GSB 507 or equiv.

Advanced Organization Theory. The four major areas of individual behavior, small group behavior, formal organizations and organizational dynamics are covered. A rigorous analysis of the ideas and research findings underlying various approaches to individual and group behavior in complex organizations is offered. Heavy reliance is placed on current relevant research studies in the areas of sociology, psychology, social psychology, anthropology as well as the current literature on leadership and administration. Offered Varibly. Prerequisite: Completion of Phase 1 or equiv.
International Management. The course provides insight into the traits, personality and patterns of thinking and behavior of the cosmopolitan manager. The disciplinary approach to the topic aims to develop skills necessary to manage cultural differences in a world-wide environment. Lectures, discussions and assignments are intended to develop the awareness, sensitivity, style and strategy needed to succeed internationally and deal effectively in the global marketplace. Offered variably. Prerequisite: Completion of Phase 1 or equiv.

Area Studies in International Management. In-depth analysis of the economic and cultural aspects of doing business in a particular region, e.g., Western Europe, Middle East, Japan, etc. The course focuses on the region's business relations with the United States, its trade and management practices, and the successful conduct of business negotiations. The area under consideration will vary from quarter to quarter in order to cover regions of particular interest to our students and the business community of Chicago. Offered variably. Prerequisite: Permission of instructor.

Labor Relations Law and Governmental Policy. Examines the legal requirements and constraints which affect the collective bargaining process. Emphasis is placed upon the historical background of labor law, and on the Supreme Court decisions affecting the application of these laws to labor relations. Present public policy regarding labor laws is reviewed. Offered Autumn. Prerequisite: Completion of Phase 1 or equiv.

Collective Bargaining. An examination of the collective bargaining process in terms of its functions, its benefits and restraints upon the employer and union, and the effect of bargaining upon the economy. Attention is given to contract negotiation and arbitration. Cases constitute an integral part of the course. Offered Winter. Prerequisite: Completion of Phase 1 or equiv.

Grievance Settlement: Mediation and Arbitration. A study of methods used in the settlement of problems arising during the term of a collective bargaining agreement. Management's reserved rights and obligations are reviewed, and the legal basis of labor arbitration is discussed. Differences with regard to the public sector are reviewed briefly. Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

Entrepreneurship and New Venture Management. The focus of the course is on new venture initiation and the preparation of a business plan that can be used to generate financing and to begin operations in a new business enterprise. It examines the critical factors involved in the conception, initiation, and development of new business ventures. Topics covered include the identification of characteristics of prospective entrepreneurs, identifying innovations, market potential analysis for new products or services, acquiring seed capital, obtaining venture capital for growth or purchase of an existing business and organization and operation of the new business. Each student is required to develop a business plan which will be presented to a panel of financial officers and venture capitalists for evaluation. Students wishing to start, develop, acquire, sell or merge a business are encouraged to do so. Offered Autumn, Spring. Prerequisite: Completion of Phase 1 or equiv.
Corporate Ventures and Intrapreneurship. The focus of this course is on how corporations develop new ventures. It critically examines the circumstances that make it possible for employees to contribute their venture ideas to the corporate objectives and describes techniques that stimulate such ideas. Although the primary focus will be on the employee and how the individual can be entrepreneurial within a corporate structure, the course also examines how the corporation can systematically encourage innovation. Case studies of intrapreneurship projects will be reviewed. Offered Spring. Prerequisite: Completion of Phase 1 or equiv. and GSB 516.

Operations Research. This course focuses on a scientific approach to problem solving and model building. Topics covered include mathematical programming, integer programming, Markov processes, game theory and simulation. Emphasis is placed on application models, computer implementation and solutions. Offered Winter. Prerequisite: Mat. 501.

Cases in Operations Research. This case course will challenge students to test, expand and deepen their knowledge of operations research. Emphasis is on the application of operations research techniques, problem definitions, model formulation and interpretation of solutions. The student has little advance notice of what techniques will be required for each case and must follow the often unpredictable course of events in the real world. Offered Spring. Prerequisite: Completion of Phase 1 or equiv.

Application of Quantitative Methods in Decision Making. The study and application of various quantitative models employed by management in the decision-making process. Topics include relevant probability and statistics, regression analysis, forecasting, statistical quality control, scheduling models, inventory models, capital investment and replacement models and renewal theory. Offered Yearly. Prerequisite: Completion of Phase 1 or equiv.

Management of Innovation and Technological Change. Introduction and overview of the causes, impacts, and management of innovation and technological change. Various units of analysis include the individual and change; the organization and management of innovation and industries; or economic sectors of nations. Emphasis is placed on both the basic definitions and concepts as well as review of the state-of-the-art of innovation research. Research and development, adoption, and diffusion research are covered. Policy implications for the management of innovation in organizations and for national technology policy are also included. Offered Autumn, Spring. Prerequisite: Completion of Phase 1 or equiv.

Introduction to Association Management. This course reviews the nature and role of associations and analyzes their varied activities. Also covered in the course are the sociological contributions of associations, their organizational design and objectives, and the impact of new legal regulations, rulings, and decisions upon association activities. Offered Autumn in even years. Prerequisite: Completion of Phase 1 or equiv.

Seminar in Association Management. A case study/seminar course. Concepts and methods drawn from such areas as financial accounting, economics, management, marketing, and the law, are applied to specific aspects of associations and industry-wide problem solving activities. Cases are presented for solution by the students. Offered Spring in odd years. Prerequisite: Completion of Phase 1 or equiv.
MGT

Contemporary Business Environment. This course covers the impact
and role of labor unions, consumer activism, legislative orientations,
government fiscal policies, taxation, law, and the basis for regulatory ac-
tivity. Offered Varibly. Prerequisite: Completion of Phase I or equiv-
ant.

Seminar in Operations Management. Emerging operations manage-
ment techniques are explored in depth using current literature and in-
vited practices. Illustrative topics include: the Japanese challenge to U.S.
manufacturing systems, designing closed loop manufacturing systems, im-
plementing hi-tech processes such as CAD/CAM, FMS, and industrial
robots, and improving productivity in the service sector. Each student is
required to develop a project on one of the seminar topics or in his/her
area of interest and expertise in the field of operations management.
Offered Spring. Prerequisite: Completion of all other requirements in the Operation
Management concentration.

Special Topics. Content and format of this course are variable. An in-
depth study of current issues in management. Subject matter will be in-
dicated in class schedule. Offered variably. Prerequisite: As indicated in class
schedule.

Independent Study. Available to graduate students of demonstrated capa-
bility for intensive independent work in management. Prerequisite: Written
permission of supervising faculty member. Chairman and Director of the Graduate School
of Business is required prior to registration.

BUSINESS LAW

BLW 506 Legal Aspects of Business in the Managerial Process. In addition to
a presentation of general corporate legal theory, stress is placed upon
the most critical aspect of administrative legal liability and duties out of
which this flows. The internal and external responsibilities of the corporate
officer, director or manager as well as those of the members of partners-
ships are reviewed thoroughly in the light of recent legal developments.
Offered Autumn. Prerequisite: Completion of Phase I or equiv.

BLW 507 Legal Aspects of Business-Anti-Trust and Trade Regulation. A presentation in the macro area of law involving
anti-trust and trade regulation is stated and meaningful examples of the applications of the law to busi-
ness practices are provided. Offered Winter. Prerequisite: Completion of Phase
I or equiv.

BLW 508 Legal Aspects of Business-Total Perspective for the Executive. Per-
sonal and professional legal liability of officers and directors has received
considerable attention in recent years, thus highlighting the need for a
view of the totality of his or her legal environment. It demands an in-
tegrated understanding and planning of the reciprocal aspects of his or
her legal, social and ethical responsibilities and rights encountered in his
or her office, outside and at home. From the end of the spectrum focusing
on possible criminal and civil liabilities to the personal responsibility of
the "socio-legal world of the executive" is presented. Offered Spring.
Prerequisite: Completion of Phase I or equiv.
Marketing Department
The ultimate goal of an organization is to satisfy the needs and wants of the customer through an exchange process beneficial to both parties. The Marketing Department offers a variety of emphases and courses designed to develop and sharpen student skills in the analysis, planning, and control of marketing problems. Marketing requires the sensing of needs using research and analysis of markets and human behavior, and the development of products and services that satisfy these needs. The purposes of the graduate program in Marketing are: (1) to provide students with the knowledge and skills to identify and develop programs and products that meet customer needs; (2) to prepare students for assuming and successfully discharging managerial responsibilities in Marketing or Marketing related positions within a firm.

The Department offers program concentrations in Marketing Management and in Marketing Research which offer both a broad perspective of business and marketing decision making and the specific skills to function in today's highly competitive business environment.

The Kellstadt Center for Marketing Analysis and Planning

DePaul University provides an education that emphasizes a pragmatic, hands-on approach with a strong orientation to application. Established in 1986 with a million two-hundred thousand dollar grant from the Charles H. Kellstadt Foundation, the Kellstadt Center for Marketing Analysis and Planning strives to build solid bridges between the "real" and academic worlds. Operating as a functioning Marketing Research facility, the Center fosters a practical three-way partnership by addressing business needs, utilizing faculty skills and developing outstanding students. Focus research in telemarketing and computer assisted telephone survey facilities provide opportunities for "hands-on" experience and resources for training tomorrow's top marketing executives while helping today's businesses optimize their marketing efforts.
CONCENTRATIONS IN MARKETING

Concentrations in Marketing include: (1) Marketing Management and (2) Marketing Research. For the student with a general orientation, the Marketing Management program is designed to enhance the student's marketing knowledge and decision-making skills as a professional manager. For the student with a developed career orientation in marketing research, the Marketing Research program is designed to provide research and quantitative skills necessary to assume a position in the research industry.

MARKETING MANAGEMENT

One-seventh of the chief executives of top U.S. companies have a background in marketing. Further, the firm's chief marketing executive is a member of the top management team in 50% of all major U.S. corporations. The marketing management emphasis is appropriate for the student with a general interest in planning, development, and introduction of products and services.

Further career opportunities await those students who possess skills in advertising, personal sales, direct marketing, sales promotions, and public relations. Skills that lead to successful careers in marketing communications include: analysis of marketing research data; media planning; the creation of persuasive messages; strategic coordination of the elements of the marketing communications mix; sales promotion strategies; public relations analysis and tactical management; motivation, training, monitoring, and dispersion of a sales staff; distribution channel coordination through business-to-business advertising and promotional tactics; telemarketing and direct marketing techniques.

Requirements for the Marketing Management concentration emphasizing either general marketing or communications (advertising and promotion) in the M.B.A. program are: (1) Successful completion of Marketing Research I (Marketing 523) and Consumer Behavior (Marketing 545) (students should satisfy this requirement as soon as possible after completing the marketing requirement in Phase II of their program) and (2) two additional 500 level Marketing courses.

Non-marketing M.B.A. elective courses should be carefully selected to maximize the students learning experience and to strengthen decision-making skills. Recommended non-marketing electives where applicable include Mgt. 590, Mgt. 501, Mgt. 503, BLW 507, Fin. 551, Fin. 571, Eco. 509, Eco. 515, Eco. 514, Acc. 527, Acc. 535, and Acc. 586.
MARKETING RESEARCH

Marketing research functions as the eyes, ears and nose of the firm to provide information for decision making. Marketing research encompasses problem formulation, data gathering, data analysis and the implementation of findings. An understanding of statistics, psychology and sociology as related to marketing is desirable.

Requirements for the Marketing Research concentration in the M.B.A. program are: (1) Successful completion of Marketing Research I (Marketing 525 and Consumer Behavior Marketing 545). Students should satisfy this requirement as soon as possible after completing the marketing requirement in Phase II of their program. (2) Marketing 526 Marketing Research II; Marketing 529 Syndicated Marketing Research Services, Marketing 580 Measurement in Marketing Decisions, and Marketing 585 Marketing Information Systems for Decision Support.

Students waiving Consumer Behavior and/or Marketing Research I (with approval) should replace the waived course with appropriate courses from the list below.

Mkt. 528 Qualitative Research Techniques
Mkt. 537 New Product Development
Mkt. 540 Sales Forecasting

Recommended non-marketing electives for the market research area where applicable include Eco. 511, Eco. 576, Acc. 527, MIS 670, and Mgt. 531. Program administrator for the Marketing Research concentration is Dr. Robert O'Keefe.

The Marketing Department endeavors to offer its courses according to the schedule listed after each course description. In addition, a number of marketing courses will be offered during the Summer Sessions.

525 Marketing Research I. (Required for Marketing concentrations.) This course will overview the nature of marketing research and its areas of responsibility and role in decision making within the organization. Specifically the students will concentrate their efforts on understanding the process of research design and implementation. Offered Autumn, Winter, Spring. Prerequisite: Completion of Phase I and OSB 515 or equiv.

526 Marketing Research II. Those students interested in more extensive marketing research experience should enroll in this course. The student will begin with a data set and work closely with the instructor in performing data analysis and developing a format for presentation of results. Offered Spring. Prerequisite: Marketing 525 or equiv.

528 Qualitative Research Methods. Qualitative Research Methods will explore non-survey and non-experimental techniques useful in researching issues with marketing implications. Lectures and reading assignments will be punctuated with experiential exercises: video-tapes and student presentations. Topics will include: question design, content analysis, unstructured or simple observation, Projective techniques and other indirect methods, in depth in person interviews, and focus group sessions. Offered variably. Prerequisite. Marketing 525 and 545 or equiv.
529 **Syndicated Marketing Research Services.** Many marketing decisions are aided by analysis of data from so-called syndicated services. This course covers descriptions, strengths and weaknesses, appropriate uses, analytical methods and applications of marketing research services that are syndicated—in contrast to ad hoc or custom research. Included are monitoring services that track sales, consumer purchases, dealer advertising, brand ratings, TV viewing, etc. Copy research services are also included. Traditional techniques and electronic methods, as well as established and experimental services will be discussed. This course will cover the types of research which account for the major proportion of the marketing research budgets of many corporations. Offered: Variable. Prerequisite: Marketing 525 or equiv.

535 **Marketing Strategies and Planning.** The basic elements of planning including the identification of the company's basic purpose and mission and their translation into specific objectives. Strategies to accomplish objectives are fused from marketing, financial, and manufacturing elements but emphasizing marketing elements. This course focuses on the contribution of marketing to the establishment of company policies, objectives, and market planning. Offered: Autumn, Winter, Spring. Prerequisite: Completion of Phase I and GSB 515 or equiv.

537 **New Product Management.** The course objective is to examine the marketing strategy entailed in product planning, development, and market introduction of new products. Offered: Autumn, Spring. Prerequisite: Completion of Phase I and GSB 515 or equiv and Marketing 525.

538 **Channels of Distribution Management.** Management problems for manufacturers and distributors in planning and controlling distribution of products and services are analyzed. Available distribution options are identified as well as the organization of factors which influence choice of distribution methods by the manufacturer or distributor. Offered: Variable. Prerequisite: Completion of Phase I and GSB 515 or equiv.

540 **Sales Forecasting.** Various quantitative forecasting methods that are useful to marketing managers in estimating sales will be analyzed and evaluated. Forecasting methods such as moving averages, exponential smoothing methods, seasonal adjustment techniques, trend analysis, Delphi and Scurve methods will be discussed. Computer applications of these methods will be utilized along with case analysis. Offered: Winter. Prerequisite: Completion of Phase I and GSB 515 or equiv.

545 **Consumer Behavior.** A review of the various theories, models, and techniques that attempt to explain consumer behavior. The course consists of lecture-discussions of behavioral theories, the empirical findings of contemporary research, and case studies designed to illustrate the salient issues involved in developing consumer-oriented marketing strategies. Offered: Autumn, Winter, Spring. Prerequisite: Completion of Phase I and GSB 515 or equiv.
Industrial Marketing. The marketing of business goods and services to other businesses is more significant in our economy than consumer marketing and is the key to the continued success and productivity of the U.S. economy. In this course, the principles and practices of inter-industry marketing will be explored by case analysis. The factors which must be considered before establishing marketing programs manufacturers, service industries, and exporters will be examined. Examples will be drawn from varied industries including equipment, electronics, computer systems, health care and others. New product introduction, distribution, and other marketing strategies will be emphasized. Offered variably. Prerequisite: Completion of Phase 1 and GSB 515 or equiv.

International Marketing. (Formerly Mkt 567). The differences between markets and distribution systems in various countries are explored. By emphasizing the social and economic factors causing these differences, a sound understanding of and empathy with different international marketing problems are developed. Analyses are made of the organization of trade channels in various cultures, of typical government policies towards international trade in countries at different stages of development, and of international marketing research, advertising, and exporting. Offered Winter. Prerequisite: Completion of Phase 1 and GSB 515 or equiv.

Marketing Communications. A study of the theories and techniques applicable to the development of the promotional mix. Class consists of analysis of development of objectives, budgets, message and media design, and measuring the effectiveness of these for advertising, sales promotion, and personal. Offered Winter. Prerequisite: Completion of Phase 1 and GSB 515 or equiv.

Measurement in Marketing Decisions. A study of measurement tools available to marketing managers in the decision making process. A marketing management approach to systematic analysis of data for use in making product pricing, distribution, and promotional decisions. Offered variably. Prerequisite: GSB 511 and 515 or equiv.

Marketing Information Systems for Decision Support. Course explores the development of a systems approach to the collection, analysis and distribution of marketing information within the organization. Topics include expert systems, data base development and maintenance, and planning and control systems for marketing decision making. Offered variably. Prerequisite: GSB 511, 515, Mkt. 525 or equiv.

Marketing of Services. Service organizations differ in many important respects from manufacturing business. The difference requires using a distinctive approach to marketing strategy development and execution. Lectures and cases dealing with problems encountered in the major service industries such as health care, banking, and transportation will be used. Offered variably. Prerequisite: GSB 515 or equiv.

Special Topics. Content and format of this course are variable. An in-depth study of current issues in marketing. Subject matter will be indicated in class schedule. Offered variably. Prerequisite: As indicated in class schedule.

Independent Study. Available to graduate students of demonstrated capability for intensive independent work in marketing. Prerequisite: Written permission of supervising faculty member, Program Director and Director of the Graduate School of Business is required prior to registration.
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Ed.D., Northern Illinois University; M.B.A., University of Michigan;
CPA (Illinois); Michigan New York; CMA; CIA; CFP; ChFC

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Ph.D., University of Chicago

Ildia C. Wasson ...................................... Professor of Marketing
D.B.A., Indiana University

William R. Waters .................................. Professor of Economics
Ph.D., Georgetown University

Gemma Welsch ........................................ Associate Professor of Accountancy
Ph.D., Northwestern University; M.B.A., DePaul University; CPA (Illinois); CMA

Harold P. Welsch .................................. Professor of Management
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Jocel Whalen ........................................ Assistant Professor of Marketing
Ph.D., Florida State University

Richard Wilgen .................................... Professor of Economics
Ph.D., University of Illinois

Glenda Wench C Wong ............................... Assistant Professor of Finance
Ph.D., University of Illinois
John K. Wong ........................ Assistant Professor of Marketing  
Ph.D., University of Illinois  

J. Thomas Yocom, Jr .................. Assistant Professor of Marketing  
Ph.D., University of South Carolina  

Earl C. Young ......................... Associate Professor of Management  
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Part-Time

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Charles L. Baren ....................... Lecturer in Accounting  
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M.A., University of Chicago  

James Berger .......................... Lecturer in Marketing  
M.B.A., University of Chicago  

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Elijah Brewer ......................... Lecturer in Economics  
Ph.D., Massachusetts Institute of Technology  

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James Carlini .......................... Lecturer in Accounting  
M.B.A., DePaul University  

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B.A., Cornell University

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M.B.A., DePaul University

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M.B.A., DePaul University

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M.A., Northern Illinois University
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J.D., DePaul University
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DePaul University does not discriminate on the basis of race, color, national origin, religion, sex, age, or handicap in admissions, employment, or the provision of services. Inquiries regarding this policy should be addressed to the Director of Personnel, 243 South Wabash Avenue, Chicago, Illinois 60604-2302. Students may enter the graduate program in business in any academic quarter including the Summer Session. The final decision in all cases rests with the Director of the Graduate School of Business and without the Director’s approval in writing no applicant is officially admitted to the Graduate School of Business. Students may make application as Degree Seeking, Non-Degree Seeking or At-Large. Qualifications for these categories for admission are listed below. Application materials may be obtained from the Graduate School of Business office, Suite 1204, 25 East Jackson Boulevard, Chicago, Illinois 60604-2287. Any applicant who has attended an educational institution (primary, intermediate, secondary, college, gymnasium, lyceum, college, etc.) outside the United States should refer to the International Student section

Degree Seeking Students

Applicants must possess a bachelor’s degree from a regionally accredited school, and submit scores earned on the Graduate Management Admission Test (GMAT). Applicants are considered on an individual basis and must demonstrate above average academic achievement or ability as indicated by their academic record, scores earned on the GMAT, and any other pertinent material the applicant wishes to submit.

To be considered for admission an applicant will be required to submit a recent GMAT score. A score not more than five years old will be necessary for consideration for admission to any program.

The application with a $25 non-refundable application fee, official transcripts from each college and university attended (including work done at DePaul) and scores earned on the GMAT must be submitted early enough to allow adequate time to evaluate the application and render a decision. To avoid the possibility of missing the application deadlines, and to maximize the opportunity for the widest choice of classes, it is recommended that completed applications be submitted well in advance of the following deadlines.

**Deadlines for Submitting Completed Applications to the Graduate School of Business Together with All Transcripts**

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<th>For Applicants</th>
<th>Who Previously Have Taken GMAT Application is Due by.</th>
<th>For Applicants</th>
<th>Who Will Take GMAT on Last Test</th>
<th>Date Prior to the Entering the Program Applications is Due by:</th>
<th>Entering Term:</th>
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<td>July 1st</td>
<td>August 1st</td>
<td>October 1st</td>
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During the 1989-90 academic year, the GMAT will be given on Saturday, October 21, 1989; Saturday, January 27, 1990; Saturday, March 17, 1990 and Saturday, June 16, 1990. GMAT information including dates, a list of Test Centers, and applications for the exam may be obtained from the Educational Testing Service, CN 6103, Princeton, New Jersey 08541-6103. There is a local ETS office in Evanston, Illinois serving the greater Chicago area. The telephone number for this office is 312-869-7700.

Non-Degree Seeking Students

A non-degree seeking student is one who already possesses a Master's Degree or equivalent from an accredited institution and desires to update his/her knowledge of the modern business environment. Students under this category must complete and submit an application for admission as a non-degree seeking student with the Graduate School of Business office, along with an official transcript from the school where their highest degree was earned. Upon receipt of degree the candidate will be informed in writing if and when he/she is eligible to register for courses.

Applicants refused admission as degree-seeking students may not enroll as non-degree-seeking students.

Non-degree-seeking status may be terminated at any time by the Director.

Non-degree-seeking students who plan to register for or who accumulate a substantial amount of credit are advised to become degree-seeking students. Only the first 12 quarter hours (three courses) earned as a non-degree seeking student at DePaul may subsequently be applied toward a degree when the student is accepted as a degree-seeking student.

The deadline for applying as a non-degree seeking student is the same as listed above for degree seeking students.

Student-at-Large

A student-at-large is one who is presently working for an advanced degree in a graduate school of another accredited university and is accepted for registration in the Graduate School of Business at DePaul. Students under this category complete and submit an application for admission as a student-at-large with the Graduate School of Business office. They must also be in good standing at their graduate school and provide the Graduate School of Business office with a letter from their home college stating that the purpose for attending DePaul is to transfer credit to the home college. Upon receipt of said letter, applicants will be informed in writing if and when they are eligible to register for courses.

The deadline for applying as a student-at-large is the same as listed above for degree seeking students.

International Students

All foreign students and any applicant educated outside of the United States must meet additional application requirements. The necessary Educational History Record and a General Information Sheet specifying other requirements can be obtained by contacting the International Advisor, First Floor, DePaul University, 25 E. Jackson Blvd., Chicago, IL 60604-2287. Telephone: 312-364-8900. The application deadlines for students with foreign education are one month prior to the normal application deadlines listed above for degree seeking students. To be admitted all students will have to meet the academic requirements and demonstrate English proficiency. Those who request student visas will also have to show evidence of adequate financial support as scholarships are not available. A formal letter of admission and/or the form I-20 will be issued only after all admission requirements have been fulfilled.
General Regulations

This Bulletin is the official statement of the requirements, rules, and regulations of the Graduate School of Business. It does not constitute a contract between the student and the University. It is expected that the student is familiar with its contents. Every effort has been made to provide herein accurate and firm information. However, the University reserves the right to revise the content of any of its Bulletins and Schedules and to change policies, programs, requirements, rules, regulations, procedures, calendars, and schedule of tuition and fees, to establish and modify admission and registration criteria, to cancel or change courses, or programs, and their content and prerequisites, to limit and restrict enrollment, to cancel, divide or change time or location or staffing of classes, or to make any other necessary changes.

A student entering the Graduate School of Business should follow the Bulletin in effect at the time of entrance. A student who is readmitted or who changes his or her program or status is subject to the terms of the Bulletin in effect at the time of readmission or change.

All students are expected to adhere to the Student Code of Responsibility, to follow the policies, procedures, and regulations of the University, and to fulfill any particular stipulations which the Director may have made in individual cases at the time of admission. Failure to do so may be grounds for dismissal from the program.

The grades of "A," "B," "C," "D" and "F" are used to indicate the quality of achievement in all course work taken at DePaul. The grade of "FX" indicates unauthorized withdrawal. A cumulative average of "C" (2.0) is required for graduation. A student's course work is recorded in its entirety and appears on the student transcript. In addition to the required overall cumulative average of "C," a candidate for degree must have at least a "C" average in the courses which are taken for his/her graduate degree program.

A student must earn a grade of "C" or better in any course taken in his/her area of concentration for the M.B.A. program, or in all courses other than non-accountancy electives and GSB courses in the M.S.A., M.S.T., and M.Acc. programs. If the grade earned is lower than a "C," said course must be retaken or substituted as directed by the Chairman of the area of concentration or by the Administrator of the program. This rule also applies to those additional electives which, in some cases, a student may be directed to take for his/her program. If the student is permitted and chooses to take these additional electives from the same area as his/her concentration, such courses must receive a grade of "C" or better.

Two grades of "F" or "FX" will result in automatic dismissal from the program.
A student will be placed on Probation as soon as his/her graduate G.P.A. falls below 2.0. In determining this average, all courses taken while in the Graduate School of Business, including courses repeated, will be computed. The student remains on Probation until three more courses are taken, after which time another evaluation will be made. If at that time the student has failed to raise his/her G.P.A. to the required level of 2.0, the student will be dismissed from the program and prohibited from registering for additional graduate course work.

A student who has been dismissed from the program may, after a period of time, petition for reinstatement, presenting conclusive evidence that his/her situation has changed in such a way as to make probable the successful completion of the program. Each case would be considered on an individual basis by the Director, whose decision would be final. Any student reinstated would re-enter the program on the terms and conditions set forth by the Director.

A student may receive graduate credit for one 300-level course with the specific, prior written approval of the Department Chairman of the student's area of concentration. If a 300-level course is taken for graduate credit, the grade of "B" or better must be earned in order to apply toward the degree.

Grades of INCOMPLETE are issued only upon the specific written request of the student. The approval of the instructor and the Director of the Graduate School of Business is required before the grade of INCOMPLETE may be issued. A student is given one quarter in which to complete the required work. If said work is not completed within the required period of time, the INCOMPLETE grade will become permanent.

College Credit

College credit is accumulated on the basis of quarter hours. The unit of credit is one quarter hour granted for 45 minutes of classroom work a week. The normal class extends over a ten-week period for an accelerated five-week period in the summer and carries four quarter hours of credit. Students enrolled for eight or more quarter hours of graduate credit are considered full-time. Those enrolled for less are considered part-time. College credit is earned if a student receives an "A," "B," "C," "D" grade. Duplication of courses or course work is not permitted except where a student is advised to repeat an "F" or "D." Double credit is not given for duplicated courses.

Access to Educational Records

The University follows the requirements of the Family Educational Rights and Privacy Act of 1974 which permits all students to review their educational records. The procedures for such review and the rights of the students in this regard are set forth in detail in the Student Handbook.

Residence

A minimum of 40 graduate quarter hours in Phase II, fulfilling requirements for the master's degree, must be taken in residence at DePaul University. These courses must be completed within six calendar years after the candidate's first registration as a student in the Graduate School of Business of DePaul University.
After a lapse of six years a course is invalid. To be applied toward the master's
degree an invalidated course taken for graduate credit may be reinstated with the
approval of the Chairman of the candidate's department of concentration and the
written approval of the Director of the Graduate School of Business.

Readmission

A student who is out of residence for one academic year or longer must apply
for readmission and will be subject to the regulations contained in the bulletin and
the degree requirements prevailing at the time of re-entry into the Graduate School
of Business. To be readmitted the student must meet the current standards for
admission.

The deadline for applying for readmission for a particular term is the same as listed
under ADMISSION.

Transfer of Graduate Credit

As a rule, transfer credit is not accepted for Graduate School of Business programs.
However, a student entering the program with prior course work in business who
wishes to petition for acceptance of transfer credit must submit a written request
before the end of his/her first quarter of study at DePaul. Generally such a petition
will be considered only if there are unusual circumstances which may justify excep-
tion. The following items must be supplied to the Graduate School of Business: 1) a
statement from the school where the course work in question was taken indicating
that said course(s) did not apply towards a degree already earned, 2) a course descrip-
tion, and 3) a bulletin or statement of the school's academic regulations. The
number of courses actually transferable up to the maximum of three will be determined
by the Chairman of the student's department of concentration and the Chairman
of the department offering such courses and by the Director of the Graduate School
of Business. A course in which the student obtains a grade of less than "C" is not
acceptable for transfer. A course must carry at least four quarter hours of graduate
credit to be acceptable for transfer. No more than two courses are acceptable for
transfer in any one field. No course can have earned credit toward a prior degree.
Transfer credit is not calculated into the student's cumulative grade point average.
Transfer credit is subject to the six-year limit for validity.

Graduation

Applications for graduation should be filed in Lewis Center Suite 1204 early in
the academic year in which the candidate expects to complete all remaining degree
requirements. Deadlines for submitting graduation applications for the February, June
and October awarding of degrees are listed in the academic calendar. Applicants
who fail to meet the deadline for filing for graduation will not graduate and cannot
have their degrees conferred until the next following graduation.

There will be no Convocation for February and October graduation. The one an-
nual Convocation will be held in June. All graduates from the preceding October
and February will be invited to attend the June Convocation together with the June
graduates. Attendance at the Convocation is optional.

Graduation with distinction is reserved for those students obtaining an overall grade-
point average of 3.6 or above for courses taken in the Graduate School of Business.
Diplomas will be mailed to graduates approximately one month after the award-
ing of the degree.
Consultation

Students wishing to consult with the Director, Ms. Karen Stark, or the Assistant Director, Ms. Christine Munoz, or Administrative Assistants to the Dean, Mr. Thomas Dolan and Mr. Paul Roberts, should call and arrange for an appointment. Telephone: 312 341-8810. The GSB Office is Suite 1204 in the Lewis Center.

TUITION AND FEES

DePaul University is a not for profit corporation. No student pays the actual cost of his or her education. Tuition and fees are held at their present level through gifts of alumni, foundations, corporations, the Vincentian priests and brothers, and friends of the University. All policies are under continual review. Therefore, the Board of Trustees reserves the right to change its charges and fees as conditions require.

Graduate School of Business student tuition:

All Graduate Business courses—per course ........................................ $980.00
Professional Master of Science in Accountancy Program—per course .... 1,050.00
Delinquency Fee ........................................................... 50.00
Graduate School of Business Application Fee (non-refundable) .......... 25.00
Registration Fee (non-refundable) .............................................. 10.00
Late Graduate Registration Fee (non-refundable) ............................ 25.00
Deferred Examination Fee on designated date ............................... 10.00
Deferred Examination Fee at time not designated ......................... 20.00
Fee for each transcript of credits ................................................ 3.00
Service Fee, each insufficient fund or stop payment check ............... 20.00

a) In addition to the regular registration fee.  
b) If a student gives the University a check that is returned by the bank upon which it was drawn, marked “Not Sufficient Funds,” “Payment Stopped,” or “Account Closed,” a $20.00 charge will be assessed for each such occurrence

Payment

All charges are due DePaul University at the time of registration, but no later than the end of Saturday, 1 p.m., the first full week of the term. The University does not accept responsibility for delays in the U.S. Postal System. Payment must be received in the Cashier's Office or one of its depositories by the due date. Payment may be made by Visa or Mastercard.

Students whose accounts show a balance due at the end of the first full week of the term:

1) Will be charged a $50.00 Delinquency Fee.
2) Will be prohibited from receiving transcripts.
3) Will be prohibited from future registration.
4) Will be prohibited from future room and board.
Auditor

Students may not change from the status of a credit student to that of an auditor, or vice versa, after the third week of class.

Students may audit a course only with permission of the Director. When a student is permitted to audit a course, tuition and fees are charged at the regular scheduled rates and must be paid at time of registration, and are not refundable. Audit courses receive no credit.

Withdrawal and Refunds

Charges for courses are based on the period of a student’s enrollment beginning with the opening day of the Quarter until the student notifies the Enrollment Change Form to withdraw. Withdrawals must be processed in the College Office either in person or by mail and will be dated as of the end of the week in which the student signs the form or the letter is postmarked. The University does not accept responsibility for delays in the U.S. Postal System. Simply ceasing to attend or notifying the faculty or non-payment of tuition does not constitute a withdrawal of record and will result in academic as well as financial penalty.

Upon processing the Enrollment Change Form the tuition charge for courses during the regular academic year will be reduced according to the following schedule, where the Effective Date is:

Prior to or at the end of the second full week of classes .......................... 100
After the second week ........................................................................... 0-

For courses of four weeks or less but more than two weeks duration, no refunds will be granted after the first week of the term. For workshops or courses of two weeks or less duration, no refunds will be granted after the workshop or sessions begin.

For the summer sessions, consult the schedule of tuition, fees and refunds listed in the summer classes booklet.

Fees are not refundable. All tuition refunds are initiated by the Cashier’s Office only upon receipt of an approved Enrollment Change Form and a specific request by the student within one calendar year of the opening of the Quarter in which the credit accrued.

NOTE: Students receiving financial aid are advised to contact a Financial Counselor to discuss the consequences of a withdrawal effecting academic progress and eligibility at DePaul University or any other school to which they may transfer.
FINANCIAL AID

There are several financial aid programs available to students in the Graduate School: assistantships and fellowships, loans, the Work-Study Program, and other part-time employment opportunities. It is the policy of the University to award Assistantships and Fellowships without reference to the race, color, creed, age, sex, or national origin of applicants. All Federal and State loan and work programs require that a student be a citizen or permanent resident of the United States or its territories. Information and applications regarding all forms of financial aid except assistantships and fellowships may be obtained in the Office of Financial Aid in Room 1730 of the Frank J. Lewis Center. Telephone: (312) 341-8526. Students are encouraged to apply early.

Assistantships and Fellowships

The School of Accountancy and Departments of Economics, Finance, Management, and Marketing have available each year a number of research assistantships. Assistantship stipends range from $4000-$4500 and include an eleven course tuition grant. Tuition grants based on academic potential are also available. Applicants should address their inquiries to the Graduate School of Business.

Loans

There are federal loan programs available to students who are citizens or permanent residents and who maintain at least half time enrollment.

A. PERKINS LOANS NATIONAL DIRECT STUDENT LOANS (based on need)
B. STAFFORD LOANS (Formerly Guaranteed Student Loans) (based on need)
C. SUPPLEMENTARY LOANS FOR STUDENTS

For information on these, and other financing alternatives, contact the Financial Aid Office at the address and phone number shown above.

Part-Time Employment

A. Work Study Program—This is a special program which provides jobs both on and off campus to students who can provide proof of need for employment in order to continue their education. It is subsidized by the federal government and the University. Recipients must be citizens or permanent residents and maintain at least half-time enrollment.

B. Part-Time Employment—Part-time positions, on and off campus, are available through the services of the Office of Career Planning and Placement. Incoming students are eligible to apply after registering and learning their class schedule. Currently enrolled students are eligible at any time. No proof of need is necessary to qualify part-time employment.

CAREER PLANNING AND PLACEMENT

The Career Planning and Placement Center assists Graduate School of Business students in obtaining full-time career employment. Placement services include leads to current job openings; an on-campus interview program; and listings of employers by area of interest. For those registered with the Career Planning and Placement Center, a resume referral service provides employers with the resumes of students whose interests and qualifications match the job specifications.
Career counseling services are available to those who have not yet determined their career options; this includes guidance on how to prepare resumes, how to prepare for interviews, and how to conduct a job search campaign.

The office maintains a company information resource center which contains company brochures describing their own career opportunities, annual reports of several major national corporations, labor market projections for various types of careers, and information regarding the current and projected economic status of various industries.

The Career Planning and Placement Center is located in Room 1716 of the Frank J. Lewis Center and is open Monday through Thursday 8:00 a.m. until 7:00 p.m. and Friday until 5:00 p.m.; for an appointment call (312) 341-8417.

RESIDENCE LIFE

The Residence Life Office provides an off-campus housing listing service for DePaul faculty, staff, and students. This service lists available apartments and rooms in the Lincoln Park area. It is strictly a listing service designed to assist those interested in locating and contacting prospective landlords. In addition, Residence Life has established a roommate listing service which may assist students in finding roommates for off-campus housing. The Residence Life Office is located on the third floor of Stuart Center, 2324 N. Seminary Ave. (312) 341-8020. Office hours are Monday through Friday, 8:30 a.m. to 4:30 p.m.

CAMPUS MINISTRY

Campus Ministry is open and available to persons of all faiths and provides the University community with many and varied opportunities for worship and volunteer service. Retreats, liturgy planning, food and clothing drives, Tailgate Parties, and Charity Dances are just a few of the programs sponsored by Campus Ministry. Offices are located on the second floor of the Harold L. Stuart Center on the Lincoln Park Campus and downtown at the Lewis Center in Room 1630. Daily and Sunday Masses are offered on both campuses. For information call 312 341-8515 or 341-6910.

LIBRARIES

The DePaul Libraries are divided into five different units: the Lincoln Park Campus Library, the Loop Campus Library, the Law Library, the Oak Brook Campus Library and the O'Hare Campus Library. In the DePaul Libraries, the delivery of information and materials is increasingly linked to computer technologies. The DePaul Libraries are participants in Illinet Online which functions as an online catalog to materials in all the DePaul Libraries and also can be used for subject, author, and title access to the holdings of 300 other Illinois libraries. Another component of Illinet Online is an online circulation system for the libraries of 28 other colleges and universities in Illinois. It provides online information on the availability of circulation items with the capacity to check them out and have them sent directly to DePaul. A second computer system, OCLC, can be used to locate and obtain materials throughout the United States. In addition, access to information resources in the sciences, social sciences, business, and humanities is available both on CD-ROM (compact disc readonly memory) and online systems.
The combined collection of the DePaul University Libraries includes nearly 546,000 volumes, 130,000 microform volumes, over 8,700 current serial subscriptions, and a varied microcomputer software and audiovisual collection. Handbooks, brochures, and bibliographies explaining library services, describing the physical arrangement of the libraries, and detailing various aspects of the collection are available in all five locations.

The Lincoln Park Campus Library supports programs in the College of Liberal Arts and Sciences, the School of Education, the School of Music, and the Theatre School. Areas of particular strength are religion, philosophy, and Irish studies. Facilities include a media area for using audio-visual materials, and The Education Resource Center with materials for elementary and secondary school teaching and Apple microcomputers. Specialized materials include the Verrona Williams Derr Collection of Afro-American studies, an art slide collection, and a collection of music recordings and scores. Rare book collections include the Napoleon Collection, the Dickens Collection, and the Sporting Collection, as well as numerous titles dealing with nineteenth-century literature and book illustration. The University Archives contains various materials documenting the growth and development of DePaul.

The Loop Campus Library primarily contains business materials to support the programs of the College of Commerce but also has core collections of materials in other areas. A career information center provides computer access to and materials on career choice, job search techniques, and company information. The Reference Department maintains the industry file and corporate annual reports. A microfiche collection of annual reports dating back to 1978 and Moody's Manuals starting with 1920 also are available.

The Library of the College of Law has an extensive collection of Anglo-American legal materials, providing both basic and advanced resources needed for study and research in the law school curriculum. The collection includes reports of American federal and state courts, court reports of Great Britain, the codes, constitutions and statutes of all fifty states and American territories, materials on tax law, and legal periodicals. Designated an official depository for government publications, the Law Library provides a comprehensive collection of federal documents.

The Oak Brook and O'Hare Campus Libraries offer an innovative approach to library service by providing access to information using computers and telecommunications. There is no permanent book collection. A core collection of over 400 business periodicals on microfilm is available at each campus. Books and journal articles needed by students and faculty are delivered by a daily intra-university shuttle service.
ACADEMIC COMPUTER SERVICES

Academic Computer Services (ACS) provides facilities and resources for the purpose of instruction and research at DePaul University. DePaul's academic network consists of a VAXcluster of two VAX 11/780s, an IBM 4381, a Harris HCX-9, and an AT&T 3B2. Local area networks of microcomputers are also provided on all DePaul campuses. Over 300 microcomputers and approximately 200 terminals are supported in student laboratories and classrooms.

Dial-in access is available 24 hours a day, 7 days a week on the main systems. Operators are on duty to assist users during all hours of operation.

Loop Campus Administration Center
Terminal Lab:
243 S. Wabash, 4th Floor
Chicago, IL 60604
312/341-8336

Macintosh Micro Lab:
243 S. Wabash, Room 208
Chicago, IL 60604
312/341-6126

Oak Brook Campus
Terminal & Micro Labs:
2 Westbrook Corporate Center
Room 204
Westchester, IL 60153
312/562-2020

O'Hare Campus
Terminal & Micro Labs:
3166 River Road
Des Plaines, IL 60018
312/296-5344

Lincoln Park Campus-Schmitt
Academic Center
Terminal & Micro Lab: (SAC)
2323 N. Seminary, Room 192/193
Chicago, IL 60614
312/341-8342

Apple/GS Lab: (SAC)
2323 N. Seminary, Room 472
Chicago, IL 60614
312/341-8051

Microcomputer Lab: (McGaw)
802 W. Belden, Room 145
Chicago, IL 60614
312/341-5208

Loop Campus-Lewis Center
Computer Learning Center
25 E. Jackson, 13th Fl.
Chicago, IL 60604
312/341-8342

Students have access to a variety of software applications, languages, and utilities. Word processing, statistical packages, database management, spreadsheets and specialized programs are available for coursework and research. Computers are used extensively throughout the undergraduate and graduate curriculum at DePaul.

Additional services provided by ACS include quarterly seminar offerings and a microcomputer purchase program. Both services are available to faculty, staff and students. The microcomputer purchase program provides discount purchase arrangements, hardware/software consultation, and end-user training.
BETA GAMMA SIGMA

Beta Gamma Sigma is a national honorary fraternity in business whose local chapter is the Delta of Illinois Chapter. Outstanding graduate and undergraduate students are initiated into the fraternity each spring. The Chapter hosts the annual Junior-SeniorMBA Honors Convocation at which the Lawrence W. Ryan Distinguished Teaching Award, named after the late professor of business law, is bestowed upon an outstanding teacher in the College of Commerce. The annual Gus Economos Distinguished Teaching Award, named after the late professor of marketing, is awarded to an outstanding teacher in the Graduate School of Business. The Chapter also sponsors the Freshman-Sophomore Honors Convocation each spring.

CENTER FOR PROFESSIONAL EDUCATION

The Center for Professional Education officially became a part of the College of Commerce on September 1, 1984. Its purpose is to provide continuing professional education to members of the Chicago area business community. The Center seeks to offer a broad range of programs that will enhance professional development at all levels of management through both public and in-house presentations. Seminars, workshops, short courses, full courses, and longer running certificate programs covering a variety of traditional and current business topics will be offered to accomplish this purpose. For more information on the Center, please contact Mrs. Carolyn Gianforte, Assistant Director, Center for Professional Education, DePaul University, Administrative Center, Room 728, 243 S Wabash Ave., Chicago, IL 60604-2302; telephone: 312-341-6780.
REPRESENTATIVE RECENT STUDENT ENROLLMENT

Previous Undergraduate or Professional School

Arizona State University
Arkansas State University
Augustana College
Baldwin-Wallace College
Ball State University
Bart College
Bradley University
Brigham Young University
Brown University
Chicago State University
College of William and Mary
Cornell University
Creighton University
Dartmouth College
DePaul University
DePauw University
Drake University
Duke University
Eastern Illinois University
Elmhurst College
Florida Atlantic University
Fordham University
Governors State University
Grove City College
Howard University
Illinois Benedictine College
Illinois Institute of Technology
Illinois State University
Illinois Wesleyan University
Indiana University
Iowa State University
Johns Hopkins University
Kansas State University
Knox College
Lake Forest College
Lawrence University
Lewis University
Loras College
Loyola University of Chicago
Marquette University
McGill University
Memphis State University
Miami University (Ohio)
Michigan State University
Mundelein College

New York University
North Park College
Northern Illinois University
Northwestern University
Ohio State University
Oklahoma State University
Pennsylvania State University
Purdue University
Roosevelt University
Santa Clara University
Sarah Lawrence College
Seton Hall University
Southern Illinois University
Southern Methodist University
Syracuse University
Temple University
Texas Christian University
Tuskegee Institute
United States Naval Academy
University of Alabama
University of Chicago
University of Cincinnati
University of Colorado
University of Connecticut
University of Denver
University of Illinois
University of Iowa
University of Maryland
University of Michigan
University of Minnesota
University of Mississippi
University of Missouri
University of Notre Dame
University of Pennsylvania
University of Rhode Island
University of Southern California
University of Washington
University of Wisconsin-Madison
University of Wisconsin-Milwaukee
Valparaiso University
Vanderbilt University
Wake Forest University
Washington University
Western Illinois University
Western Michigan University

DEPAUL UNIVERSITY
25 EAST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604-2287
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The Vincentian Character of DePaul University

DePaul, a Catholic university, takes its name from St. Vincent DePaul. The religious community founded by Vincent, commonly known as 'Vincentians', opened the university and endowed it with a distinctive spirit: to foster in higher education a deep respect for the God-given dignity of all persons, especially the materially, culturally, and spiritually deprived; to instill in educated persons a dedication to the service of others. In each succeeding generation the women and men of DePaul have pursued learning in this spirit of Vincent DePaul.
# Academic Calendar 1989-90

## Autumn Quarter

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<th>Month</th>
<th>Dates</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td>7-18</td>
<td>Monday-Friday, Early/Mail registration for Autumn Quarter</td>
</tr>
<tr>
<td>September</td>
<td>7</td>
<td>Thursday, Late registration for graduate students.</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Wednesday, Autumn quarter begins.</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Friday, Final date for filing for February awarding of degrees.</td>
</tr>
<tr>
<td>October</td>
<td>9</td>
<td>Monday, St. Vincent DePaul Day, Celebration—no classes.</td>
</tr>
<tr>
<td>November</td>
<td>3</td>
<td>Friday, Last day to withdraw from Class.</td>
</tr>
<tr>
<td></td>
<td>6-17</td>
<td>Monday-Friday, Early/Mail registration for Winter Quarter. (Tentative)</td>
</tr>
<tr>
<td></td>
<td>22-26</td>
<td>Wednesday evening-Sunday, Thanksgiving Holidays, No Wed. evening classes.</td>
</tr>
<tr>
<td></td>
<td>27</td>
<td>Monday, Last day of Autumn graduate classes.</td>
</tr>
<tr>
<td></td>
<td>28-Dec. 4</td>
<td>Tuesday-Monday, Final examinations for Autumn Quarter</td>
</tr>
</tbody>
</table>

## Winter Quarter

<table>
<thead>
<tr>
<th>Month</th>
<th>Dates</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>December</td>
<td>7</td>
<td>Thursday, Late registration for graduate students.</td>
</tr>
<tr>
<td>January (1990)</td>
<td>2</td>
<td>Tuesday, Winter Quarter graduate classes begin.</td>
</tr>
<tr>
<td></td>
<td>26</td>
<td>Friday, Final date for filing for June awarding of degrees.</td>
</tr>
<tr>
<td>February</td>
<td>12-23</td>
<td>Monday-Friday, Early/Mail registration for Spring Quarter (Tentative).</td>
</tr>
<tr>
<td>March</td>
<td>13-19</td>
<td>Friday, Last day to withdraw from classes.</td>
</tr>
<tr>
<td></td>
<td>19</td>
<td>Tuesday-Monday, Final examinations for Winter Quarter graduate classes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Monday, Winter Quarter ends.</td>
</tr>
</tbody>
</table>

## Spring Quarter

<table>
<thead>
<tr>
<th>Month</th>
<th>Dates</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>March</td>
<td>20</td>
<td>Tuesday, Late registration for graduate students.</td>
</tr>
<tr>
<td></td>
<td>24</td>
<td>Saturday, Spring Quarter begins.</td>
</tr>
<tr>
<td>April</td>
<td>13-15</td>
<td>Friday-Sunday, Easter Holiday, No classes.</td>
</tr>
<tr>
<td></td>
<td>30-May 18</td>
<td>Monday-Friday, Early/Mail registration for Summer Sessions (Tentative).</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Monday, Memorial Day, Holiday—no classes.</td>
</tr>
<tr>
<td>June</td>
<td>2-8</td>
<td>Saturday-Friday, Final examinations for Spring Quarter.</td>
</tr>
<tr>
<td></td>
<td>8</td>
<td>Friday, Spring Quarter ends.</td>
</tr>
<tr>
<td></td>
<td>9-10</td>
<td>Saturday-Sunday, Convocation.</td>
</tr>
</tbody>
</table>

## Summer Sessions

<table>
<thead>
<tr>
<th>Month</th>
<th>Dates</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>June</td>
<td>6</td>
<td>Wednesday, Late registration for graduate students for Summer Session I.</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>Wednesday, Summer Session I begins.</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Friday, Final date for filing for October awarding of degrees.</td>
</tr>
<tr>
<td>July</td>
<td>4</td>
<td>Wednesday, Independence Day, Holiday—no classes.</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Friday, Last day to withdraw from first session classes.</td>
</tr>
<tr>
<td></td>
<td>11</td>
<td>Wednesday, Late registration for graduate students for Summer Session II.</td>
</tr>
<tr>
<td></td>
<td>18</td>
<td>Wednesday, Summer Session II ends.</td>
</tr>
<tr>
<td>August</td>
<td>19</td>
<td>Tuesday, Summer Session II begins.</td>
</tr>
<tr>
<td></td>
<td>6-17</td>
<td>Monday-Friday, Early/Mail registration for Autumn Quarter. (Tentative)</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>Friday, Last day to withdraw from second session classes.</td>
</tr>
<tr>
<td></td>
<td>22</td>
<td>Wednesday, Summer Session II ends.</td>
</tr>
</tbody>
</table>